

BRITISH STANDARD 1831 : 1965

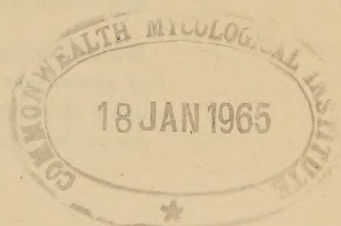
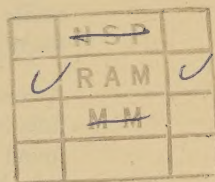
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**Recommended
Common Names for
Pesticides**

BRITISH STANDARDS INSTITUTION

RECOMMENDED COMMON NAMES FOR PESTICIDES

B.S. 1831 : 1965



Price 25/- net

BRITISH STANDARDS INSTITUTION

INCORPORATED BY ROYAL CHARTER

BRITISH STANDARDS HOUSE, 2 PARK ST., LONDON, W.1

TELEGRAMS: STANDARDS LONDON W1

TELEPHONE: MAYFAIR 9000

THIS BRITISH STANDARD, having been approved by the Pest Control Products Industry Standards Committee and endorsed by the Chairman of the Chemical Divisional Council, was published under the authority of the General Council on 7th January, 1965.

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Supplement No. 1 August, 1959.

Supplement No. 2 July, 1960.

Second revision September, 1961.

Supplement No. 1 May, 1962.

Third revision January, 1965.

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 4000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, price 15s. The B.S. Yearbook may be consulted in many public libraries and similar institutions.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following B.S.I. references relate to the work on this standard:
Committee reference PCC/1
Drafts for comment D63/10404 and 14241, D64/1328 and 4064

CONTENTS

	Page
Co-operating organizations	4
Foreword	5
Introduction	6

RECOMMENDATIONS

1. Style	7
2. Purity of chemicals	7
3. Principles	7
Tables	10

APPENDICES

A. Common names considered by ISO but not recommended in this British Standard	57
B. Organic pesticides not requiring common names	58

INDEX

Index	59
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CO-OPERATING ORGANIZATIONS

The Pest Control Products Industry Standard Committee, under whose supervision this British Standard was prepared, consists of representatives from the following industrial organizations:

Association of British Chemical Manufacturers

*Association of British Manufacturers of Agricultural Chemicals

British Wood Preserving Association

Department of Agriculture and Fisheries for Scotland

D.S.I.R.—Forest Products Research Laboratory

D.S.I.R.—Tropical Products Institute

*Industrial Pest Control Association

London County Council

*Ministry of Agriculture, Fisheries and Food

National Farmers' Union

Royal Society for the Promotion of Health

The Government department and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

Association of Applied Biologists

British Pharmacopœia Commission

British Veterinary Association

British Weed Control Council

Chemical Society

Commonwealth Institute of Entomology

Commonwealth Mycological Institute

Department of Technical Co-operation

Society of Chemical Industry

BRITISH STANDARD

RECOMMENDED COMMON NAMES FOR PESTICIDES

FOREWORD

During the past 30 years, great advances have been made in developing the chemical control of pests. Many new pesticides have been and continue to be developed and marketed in this and other countries.

As the number has increased, so also has the need for convenient agreed names for them. Usually the full chemical names of these compounds are too long and complicated for common use, and a variety of shortened forms has been used. Often, more than one short name has been used for the same compound and much confusion has resulted.

The problem was discussed at the Commonwealth Entomological Conference in 1948, and the recommendations made resulted in the proposal for a committee to prepare a British Standard list of non-proprietary common names for established pesticides, which include acaricides, bactericides, fungicides, herbicides, insecticides, nematocides and rodenticides. Government departments, industry and others accepted the need for such names and, as a result, a B.S.I. Committee was appointed. Later the need for the international agreement on common names for pesticides was recognized and an International Committee was formed. The B.S.I. Committee maintains liaison with Commonwealth countries as well as with the corresponding committees in the United States, South Africa and European countries.

The present revision correlates the recommended common names with the chemical names and the formulae. The first chemical name assigned to each compound is in accordance with the principles recommended by The Chemical Society, London; other chemical names commonly used are often included as well. Both kinds of names are indexed for convenient reference. (Attention is drawn to B.S. 2474, 'Recommended names for chemicals used in industry'.)

The recommended common names are arranged in alphabetical order in tables, and the class of compound (acaricide, bactericide, fungicide, herbicide, insecticide, nematocide, rodenticide) is stated. Some other non-proprietary names which occur in the literature are also shown.

The revision includes names previously published in B.S. 1831: 1961 (amended 1962) and Supplement No. 1 (1962), together with other names more recently adopted. Further approved names will be listed in special announcements in the monthly publication B.S.I. News* as addenda to B.S. 1831. This avoids the delay involved in preparing collective supplements to the standard.

A list of pesticides considered not to require common names is given in Appendix B. In this revision, inorganic compounds have been excluded.

* Details of subscription rates to B.S.I. News may be obtained from the British Standards Institution, British Standards House, 2 Park Street, London, W.1.

INTRODUCTION

Procedure for reaching agreement nationally. The B.S.I. Committee meets approximately every two months; the organizations represented are shown on page 4.

Proposals for common names may originate from the manufacturer, from interested organizations and persons, or from the Committee.

It is obviously important that new pesticides should be given common names as quickly as possible. Manufacturers are therefore urged to suggest common names to the Committee as early as practicable and to consult the Secretary if they require further information on the subject*. No decision is taken by the Committee, however, until the manufacturer has been asked for suggestions.

If the compound is of foreign origin, the invitation to propose a common name may be passed through the appropriate national standards organization, or may be sent to the firms who market the compound in the United Kingdom.

Proposed names are submitted to the Trade Marks Registry to find out whether they would be in conflict with any existing registration. In order as far as possible to prevent approved common names being used as trade names, the former are recorded, though not registered as trade marks, by H.M. Patent Office. It must be stressed that such protection applies only to the United Kingdom.

The proposed common name is then published in B.S.I. News as a draft name for comment. At the same time, copies of the announcement are distributed through Trade Associations and to other national and international organizations for comment. It must be emphasized that, at this stage, the name has not been approved for publication as a British Standard common name. If no objections are received that cannot be resolved, the name goes forward for publication as a British Standard. If valid objections are received, a new draft name may be circulated. *It is important to distinguish between draft and approved names, as both appear in B.S.I. News.*

Procedure for reaching agreement internationally. Trade in pesticides is world wide, as is the circulation of scientific literature dealing with them. International agreement on common names is therefore essential. Accordingly a technical committee of the International Organization for Standardization (ISO)† was set up. This Technical Committee (ISO/TC 81) held its first meeting in 1955, and has met every two years since, though much of the detailed work is done between meetings. The Secretariat of the Committee is the responsibility of the British Standards Institution.

The principles followed by ISO/TC 81 in the selection of new common names are similar to those adopted by the B.S.I. Committee. Suggestions for new names can be submitted by any member country through its national Standards Organization, and all names accepted for use in the United Kingdom are sub-

* Correspondence should be addressed to the Secretary to Committee PCC/1, British Standards Institution, British Standards House, 2 Park Street, London, W.1.

† The Member Bodies of ISO are the National Standards Organizations of the various countries, now numbering about 50. The General Secretariat is located in Geneva.

mitted to ISO/TC 81 for consideration. In practice, individual member countries may be unable to accept an ISO recommended name because of trade mark registration, special language requirements, etc. It is sometimes necessary for names to be changed slightly to conform with national spelling convention. A list of common names considered by ISO but not recommended in this British Standard is given in Appendix A.

Four lists of common names have been published as ISO Recommendations and a further ISO Recommendation sets out the principles for the selection of common names.

RECOMMENDATIONS

STYLE

1. In contrast to proprietary names, the recommended common names should be written or printed without capital letters (e.g. heptachlor, parathion). In the exceptional cases where the names are formed from initials, they should be written in capitals without intervening full stops (e.g. DDT).

If numbers and letters both occur in the same common name, the numbers should be separated from one another by commas and from letters by hyphens.

PURITY OF CHEMICALS

2. The common name normally applies to the 100 per cent pure chemical, but in exceptional cases it may be given to an isomeric mixture in which only one isomer may be biologically active (e.g. mecoprop).

PRINCIPLES

3. After consideration of possible alternative principles, the following have been adopted:

a. No compound should be given a common name if its chemical name is reasonably short and distinctive.

Examples are metaldehyde, carbon tetrachloride, ethylene oxide. A list of such organic pesticides is included in Appendix B of this standard. This also includes certain mercury compounds which have not so far been given common names.

b. If a compound is of foreign origin, it is usual to give the country concerned first opportunity to suggest a name, and to give preferential consideration to any name already officially adopted elsewhere.

This presents complications to the B.S.I. Committee, but is essential for obtaining names which are internationally acceptable. Difficulties have also arisen through the lack of any internationally accepted system of coining names. As a result, some of the names in this standard list do not follow the principles mentioned here. Such anomalies have been accepted only with reluctance and in the hope that they will occur less frequently in the future as ISO/TC 81 makes progress towards uniformity. Certain names were in general use before the

B.S.I. Committee began work (e.g. DDT; 2,4,5-T), while others have been donated by manufacturers and accepted in the country of origin.

c. Common names should be short and preferably consist of not more than three syllables.

As the number of pesticides has increased it has become increasingly difficult to devise such simple and distinctive names as:

ziram	zinc dimethyldithiocarbamate
zineb	zinc ethylene-1,2-bisdithiocarbamate
thiram	bis(dimethylthiocarbamoyl) disulphide or tetramethylthiuram disulphide

d. Common names should be distinctive in sound and spelling.

Although MCPA (based on 2-methyl-4-chlorophenoxyacetic acid) conflicts with principle *g* (iii) below, this name had become common by general usage. It was therefore expedient to accept it and the related MCPB (based on γ -2-methyl-4-chlorophenoxybutyric acid). MCPP could not, however, be accepted for (\pm)-2-(4-chloro-2-methylphenoxy) propionic acid because of the similarity of the name to MCPB. The name mecoprop was therefore coined for this compound.

e. Common names should, if possible, be derived from the scientific chemical names.

In a short name it is clearly impractical to indicate the full chemical structure, but by incorporating important groups (even in shortened forms) it becomes possible to use the name so formed as an aide-memoire to chemical structure. Such names as TMTD (thiram), 2,4-D, and MCPA, indeed, owe their origin to this system. Unfortunately, letters and numbers used on any scale become confusing. Examples of the type of name preferred by the Committee are:

coumachlor	3-(α -acetonil-4-chlorobenzyl)-4-hydroxy-coumarin
propham	isopropyl <i>N</i> -phenylcarbamate
chlorpropham	isopropyl <i>N</i> -(3-chlorophenyl)carbamate
thioquinox	2-thio-1,3-dithiolo[4,5-b]quinoxaline

Two consequences of the application of this principle are: the desirability of developing new short names for large radicals so as to reduce long chemical names to comparatively simple ones, and the importance of including in the name any distinctive chemical group. An example is:

mevinphos	2-methoxycarbonyl-1-methylvinyl dimethyl phosphate
	The vinyl group, phosphorus and the methyl groups are suggested by this name.

Nomenclature for organophosphorus compounds presents particular difficulties and manufacturers are asked to consult the Secretary to the committee.

f. Common names for salts or esters should normally be given to the parent acid or base. The nature of a salt or ester should be indicated by a suffix.

Shorter chemical symbols may be used in writing to indicate cations, but anion radicals should be written in full (e.g. endothal-Na, but dodine acetate). Exceptions include zineb, nabam and certain organophosphorus esters.

g. Common names should:

- (i) **not be liable to confusion with common or trade names already in use;**
- (ii) **not be difficult to pronounce or remember;**
- (iii) **not be composed of initials and/or numbers.**

In general, the formation of common names from initials and numbers has been avoided, but exceptions were made of compounds which had become so well known by initials that another name would only cause confusion. DDT and MCPA are examples.

- (iv) **not contain syllables of misleading chemical significance.**

An example would be for a coined name to end in **-ol** or **-one** and yet contain no hydroxyl or ketone group.

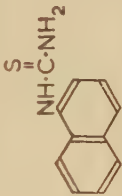
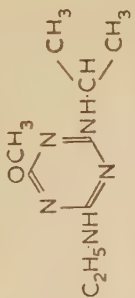
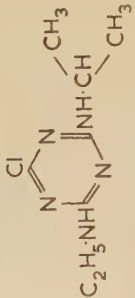
h. A proprietary name may be considered as a common name provided that no trade mark rights are reserved in any country where there is a need for a common name.

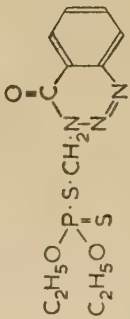
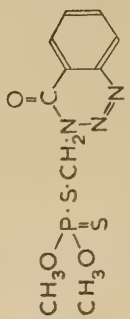
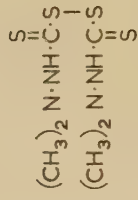
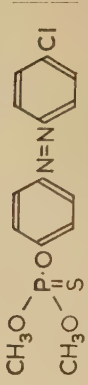
It is undesirable that a proprietary name should be retained for use as a trade mark in some countries after it has been donated and accepted for use as a common name in others. It is understandable nevertheless that firms may be reluctant to surrender registrations they may have on a world-wide basis as this might enable a third party to pre-empt the name as a trade mark, particularly in countries where there is no national standards organization selecting common names for pesticides. Such action by a third party might prevent use as a common name in the country or countries concerned. The B.S.I. Committee will be satisfied if the donor agrees to give up trade mark rights in any country on request from the national standards organization concerned. However, the adoption and use of a common name in one country may make it difficult to maintain trade mark status elsewhere. This will depend on how extensive is the subsequent use of the name as a common name in technical journals and other publications having a world-wide circulation. The law and practice of a particular country may also be relevant.

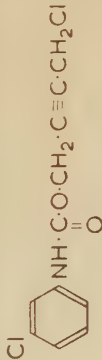

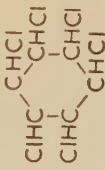
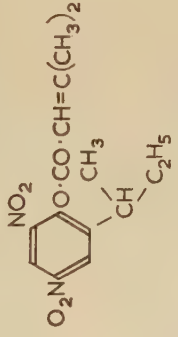
TABLES

Classes: A—acaricide F—fungicide I—insecticide R—rodenticide
 B—bactericide H—herbicide N—nematicide

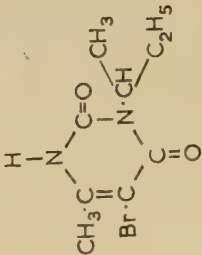

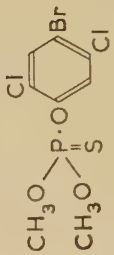
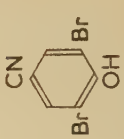
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
aldrin	A product containing 95 per cent of HHDN (q.v.)	—	—	—	I
allethrin	(±)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (±)-(cis- + trans-)chrysanthemum-monocarboxylate DL-2-allyl-4-hydroxy-3-methylcyclopent-2-en-1-one, esterified with a mixture of cis- and trans-DL-chrysanthemum-monocarboxylic acid	$ \begin{array}{c} \text{CH}_3 \\ \\ (\text{CH}_3)_2\text{C}=\text{CHCH}(\text{CH})\text{COOH} \cdot \text{C}_6\text{H}_4\text{CH}_2\text{CH}=\text{CH}_2 \\ \\ \text{H}_3\text{C}-\text{CO} \end{array} $	—	—	I
ameftryne	6-ethylamino-4-isopropylamino-2-methylthio-1,3,5-triazine	$ \begin{array}{c} \text{SCH}_3 \\ \\ \text{N}=\text{N} \\ \quad \\ \text{C}_2\text{H}_5\text{NH}=\text{N} \quad \text{NH} \cdot \text{CH} \\ \quad \\ \text{CH} \quad \text{CH} \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array} $	—	—	H

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
amiton	<i>S</i> -(2-diethylaminoethyl) diethyl phosphorothiolate <i>S</i> -(2-diethylaminoethyl) <i>OO</i> -diethyl phosphorothioate	$\begin{array}{c} \text{C}_2\text{H}_5\text{O} \\ \\ \text{P} \cdot \text{S} \cdot \text{CH}_2\text{CH}_2\text{N}(\text{C}_2\text{H}_5)_2 \\ \\ \text{O} \\ \\ \text{C}_2\text{H}_5\text{O} \end{array}$	it should be stated which salt is present, e.g. amiton-oxalate	—	A, I
antu	1-naphthylthiourea α -naphthylthiocarbamide α -naphthylthiourea		—	—	R
atraton	6-ethylamino-4-isopropylamino-2-methoxy-1,3,5-triazine		—	—	H
atrazine	2-chloro-6-ethylamino-4-isopropylamino-1,3,5-triazine		—	—	H

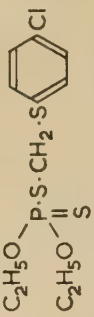
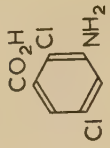
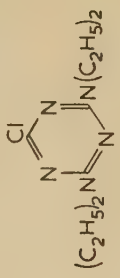
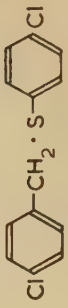
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
aziphos-ethyl	<i>S</i> -(3,4-dihydro-4-oxobenzotriazin-3-ylmethyl) dimethyl phosphorothiothionate <i>S</i> -(3,4-dihydro-4-oxobenzotriazin-3-ylmethyl) <i>OO</i> -diethyl phosphorodithioate		—	—	A, I
aziphos-methyl	<i>S</i> -(3,4-dihydro-4-oxobenzotriazin-3-ylmethyl) dimethyl phosphorothiothionate <i>S</i> -(3,4-dihydro-4-oxobenzotriazin-3-ylmethyl) <i>OO</i> -dimethyl phosphorodithioate		—	—	A, I
azithiram	bisdimethylaminothiocarbamoyl disulphide <i>NN'</i> -bis(dimethylamino)thiuram disulphide		—	—	F
azotheate	4-(4-chlorophenylazophenyl) dimethyl phosphorothionate <i>O</i> -4-(4-chlorophenylazophenyl) <i>OO</i> -dimethyl phosphorothioate		—	—	A, I

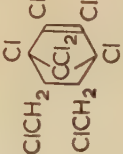
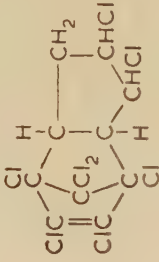

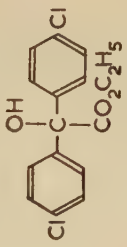
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
barban	4-chlorobut-2-ynyl <i>N</i> -(3-chlorophenyl)carbamate 4-chlorobut-2-ynyl 3-chlorocarbanilate		—	—	H
benquinox	1,4-benzoquinone benzoylhydrazone oxime		—	—	F
BHC	mixed isomers of: 1,2,3,4,5,6-hexachlorocyclohexane benzene hexachloride		the percentage of gamma-BHC should be stated, e.g. BHC-13 per cent	HCH	I
gamma-BHC	gamma-isomer of BHC			lindane*	I
binapacryl	2-(1-methyl- <i>n</i> -propyl)-4,6-dinitrophenyl 3-methylcrotonate 2,4-dinitro-6- <i>s</i> -butylphenyl β-methylcrotonate 6- <i>sec</i> -butyl-2,4-dinitrophenyl 3-methylcrotonate		—	—	A

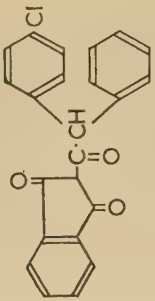
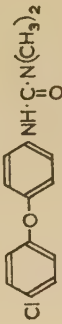
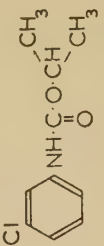
* Lindane denotes a product of specified purity (minimum 99 per cent gamma-BHC).

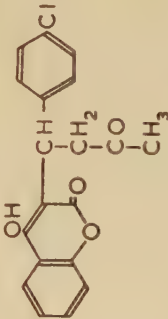
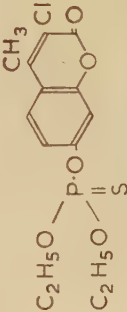
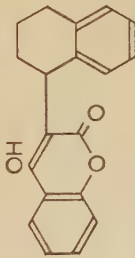
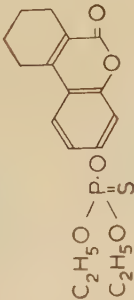
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
bromacil	5-bromo-6-methyl-3-(1-methyl-n-propyl)uracil		—	—	H
	5-bromo-6-methyl-s-butyluracil				
	5-bromo-3-sec.-butyl-6-methyluracil				
bromocyclen	5-bromomethyl-1,2,3,4,7,7-hexachloro[2,2,1]bicyclohept-2-ene		—	—	I
bromophos	4-bromo-2,5-dichlorophenyl dimethyl phosphorothionate		—	—	A, I
	O-(4-bromo-2,5-dichlorophenyl) OO-dimethyl phosphorothioate				
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile 3,5-dibromo-4-hydroxyphenyl cyanide		—	—	H

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
butonate	dimethyl 1-butyloxy-2,2,2-trichloroethyl phosphonate		—	—	I
buturon	<i>N</i> '-(4-chlorophenyl)- <i>N</i> -methyl- <i>N</i> -(1-methylprop-2-ynyl)urea 3- <i>p</i> -chlorophenyl-1- <i>N</i> -methyl-1-(1-methyl-2-propynyl)urea		—	—	H
captan	<i>N</i> -(trichloromethylthio)cyclohex-4-ene-1,2-dicarboxyimide <i>N</i> -trichloromethylthio-4-cyclohexene-1,2-dicarboxyimide <i>N</i> -(trichloromethylthio)tetrahydrophthalimide		—	—	F
carbaryl	1-naphthyl <i>N</i> -methylcarbamate		—	—	I


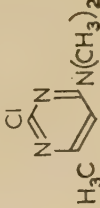
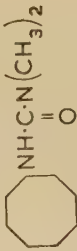
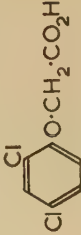
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
carbo-phenothion	<i>S</i> -(4-chlorophenylthiomethyl) diethyl phosphorothiothionate <i>OO</i> -diethyl <i>S</i> -(4-chlorophenylthiomethyl) phosphorodithioate		—	—	I
chloramben	3-amino-2,5-dichlorobenzoic acid		—	—	H
chlorazine	2-chloro-4,6-bisdiethylamino-1,3,5-triazine		—	—	H
chlorbenside	4-chlorobenzyl 4-chlorophenyl sulphide		—	—	A

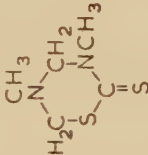

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
chlorbicyclen	1,2,3,4,7,7-hexachloro-5,6-di(chloromethyl)-[2,2,1]-bicyclohept-2-ene		—	—	I
chlordan	1,2,4,5,6,7,10,10-octachloro-4,7,8,9-tetrahydro-4,7-methyleneindane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene		mixed active isomers	—	I
chlorfenson	4-chlorophenyl 4-chlorobenzenesulphonate <i>p</i> -chlorophenyl <i>p</i> -chlorobenzenesulphonate		—	CPCBS ovex	A
chloro-benzilate	ethyl 4,4'-dichlorobenzilate		—	—	A

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
chloro-phacinone	2-(α - <i>p</i> -chlorophenyl- α -phenylacetyl)indane-1,3-dione		—	—	R
chloroxuron	<i>N'</i> -4-(4-chlorophenoxy)phenyl- <i>N,N</i> -dimethylurea <i>N'</i> -4- <i>p</i> -chlorophenoxyphenyl- <i>N,N</i> -dimethylurea		—	—	H
chlorpropham	isopropyl <i>N</i> -(3-chlorophenyl)carbamate isopropyl <i>m</i> -chlorophenylcarbamate		—	CIPC	H

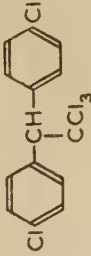
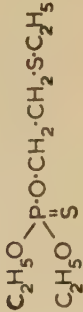
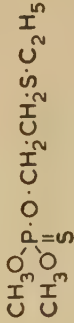
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
coumachlor	3-(α -acetyl-4-chlorobenzyl)-4-hydroxy-coumarin		—	—	R
coumaphos	3-chloro-4-methyl-7-coumarinyl diethyl phosphorothioate O-(3-chloro 4-methyl-7-coumarinyl) OO-diethyl phosphorothioate		—	—	I
couma-tetralyl	4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin		—	racumin	R
coumithoate*	diethyl 7,8,9,10-tetrahydro-6-oxobenzol[c]chroman-3-yl phosphorothioate OO-diethyl O-(7, 8, 9, 10-tetrahydro-6-oxobenzol[c]chroman-3-yl) phosphorothioate OO-diethyl O-(7,8,9,10-tetrahydro-6-oxo-6H-dibenzol[b,d]pyran-3-yl) phosphorothioate		—	—	I

* The name *chromaphon* previously proposed for this compound was withdrawn because it is not acceptable for use internationally.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
4-CPA	4-chlorophenoxyacetic acid		it should be stated which salt or ester is present, e.g. 4-CPA-Na 4-CPA-Et	—	H
crimidine	2-chloro-4-dimethylamino-6-methylpyrimidine		—	—	R
cuprobam	tricopper dichloride dimethyldithiocarbamate	$\left[(\text{CH}_3)_2 \text{N}-\text{C}(\text{S})_2\text{Cu} \right]_3 \text{Cu}_2 \text{Cl}_2$	—	—	F
cycluron	N'-cyclo-octyl-N,N-dimethylurea		—	OMU	H
2,4-D	2,4-dichlorophenoxyacetic acid		it should be stated which salt or ester is present, e.g. 2,4-D-Na 2,4-D-Et	—	H

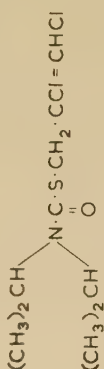
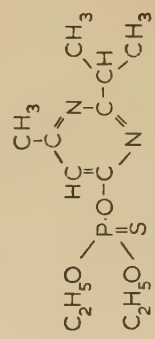

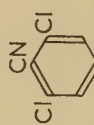
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dalapon	2,2-dichloropropionic acid	$\text{CH}_3 \cdot \text{CCl}_2 \cdot \text{CO}_2\text{H}$	it should be stated which salt is present, e.g. dalapon-Na	—	H
	$\alpha\alpha$ -dichloropropionic acid				
dazomet	tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione		—	DMTT	F, H,N
2,4-DB	4-(2,4-dichlorophenoxy)butyric acid		it should be stated which salt is present, e.g. 2,4-DB-Na	—	H
	γ -2,4-dichlorophenoxybutyric acid				
DDT	technical dichlorodiphenyltrichloroethane, a complex chemical mixture, in which <i>pp'</i> -DDT predominates	—	the percentage of <i>pp'</i> -DDT should be stated	dicophane* chloroph-enotane	I

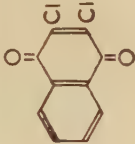
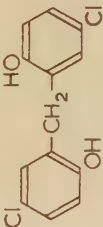
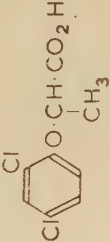
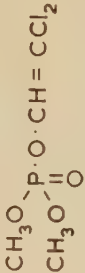
* Dicophane is an approved name of the British Pharmacopoeia Commission.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
<i>pp</i> '-DDT	1,1,1-trichloro-2,2-di-(4-chlorophenyl)ethane		—	—	I
demeton	a mixture of demeton-O and demeton-S (q.v.)	—	—	—	A, I
demeton-methyl	a mixture of demeton-O-methyl and demeton-S-methyl (q.v.)	—	—	—	A, I
demeton-O	diethyl 2-(ethylthio)ethyl phosphorothionate <i>OO</i> -diethyl <i>O</i> -[2-(ethylthio)ethyl] phosphorothionate		—	—	A, I
demeton-O-methyl	2-(ethylthio)ethyl dimethyl phosphorothionate <i>O</i> -[2-(ethylthio)ethyl] <i>OO</i> -dimethyl phosphorothionate		—	—	A, I

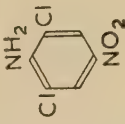
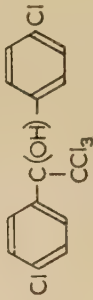
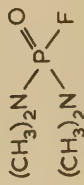
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
demeton-S	diethyl S-[2-(ethylthio)ethyl] phosphorothiolate <i>OO</i> -diethyl S-[2-(ethylthio)ethyl] phosphorothioate	$\begin{array}{c} \text{C}_2\text{H}_5\text{O} \\ \diagup \\ \text{P} \cdot \text{S} \cdot \text{CH}_2\text{CH}_2\text{S} \cdot \text{C}_2\text{H}_5 \\ \diagdown \\ \text{C}_2\text{H}_5\text{O} \end{array}$	—	—	A, I
demeton-S-methyl	S-[2-(ethylthio)ethyl] dimethyl phosphorothiolate S-[2-(ethylthio)ethyl] <i>OO</i> -dimethyl phosphorothioate	$\begin{array}{c} \text{CH}_3\text{O} \\ \diagup \\ \text{P} \cdot \text{S} \cdot \text{CH}_2\text{CH}_2\text{S} \cdot \text{C}_2\text{H}_5 \\ \diagdown \\ \text{CH}_3\text{O} \end{array}$	—	—	A, I
2,4-DES	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate β -2,4-dichlorophenoxyethyl hydrogen sulphate	$\begin{array}{c} \text{Cl} \\ \\ \text{C}_6\text{H}_4 \\ \\ \text{Cl} \end{array} \text{O} \cdot \text{CH}_2\text{CH}_2\text{O} \cdot \text{SO}_3\text{H}$	it should be stated which salt is present, e.g. 2,4-DES-Na	disul* SES sesin sesone	H
desmetryne	4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine	$\begin{array}{c} \text{SCH}_3 \\ \\ \text{N} \quad \text{N} \\ \diagup \quad \diagdown \\ \text{CH}_3\text{NH} \quad \text{NHCH} \\ \diagdown \quad \diagup \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$	—	—	H

* Disul has been adopted as a common name by the International Organization for Standardization (see Appendix A).

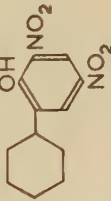
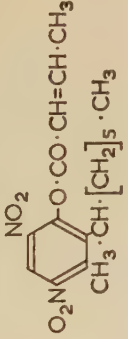
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
di-allate	<i>S</i> -2,3-dichloroallyl <i>NN</i> -di-isopropylthiocarbamate		—	—	H
diazinon	diethyl 2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate <i>OO</i> -diethyl <i>O</i> -(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate <i>OO</i> -diethyl <i>O</i> -4-methyl-2-isopropylpyrimidin-6-yl phosphorothioate		—	—	A, I
dicamba	3,6-dichloro-2-methoxybenzoic acid 3,6-dichloro- <i>o</i> -anisic acid		—	—	H
dichlobenil	2,6-dichlorobenzonitrile 2,6-dichlorophenyl cyanide		—	—	H

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dichlone	2,3-dichloro-1,4-naphthoquinone		—	—	F
dichlorophen*	di-(5-chloro-2-hydroxyphenyl)methane		—	anthiphen	F
dichlorprop	(±)-2-(2,4-dichlorophenoxy)propionic acid		it should be stated which salt is present e.g. dichlorprop-Na	2,4-DP	H
dichlorvos	2,2-dichlorovinyl dimethyl phosphate		—	DDVP	I

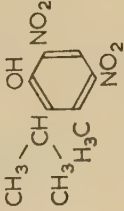
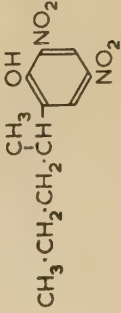
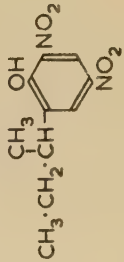
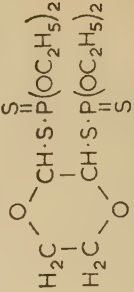
* Dichlorophen is an approved name of the British Pharmacopoeia Commission.

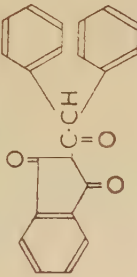
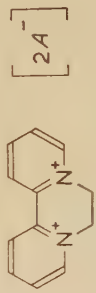
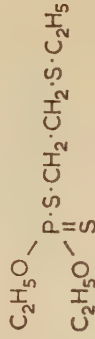
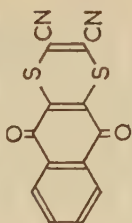
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dicloran	2,6-dichloro-4-nitroaniline		—	—	F
dicofol	2,2,2-trichloro-1,1-di-(4-chlorophenyl)ethanol		—	—	A
dieldrin*	a product containing 85 per cent of HEOD (q.v.)	—	—	—	I
dimefox	NNN'-tetramethylphosphorodiamidic fluoride bis(dimethylamino)fluorophosphine oxide		—	BFPO DIFO	A, I

* Dieldrin is an approved name of the British Pharmacopœia Commission.

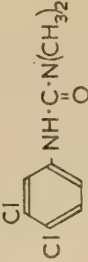
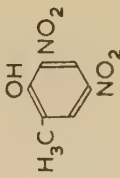
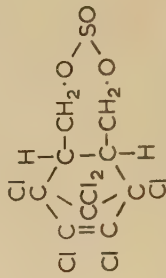
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dimethoate	dimethyl S-(N-methylcarbamoylmethyl) phosphorothioothionate <i>OO</i> -dimethyl S-(N-methylcarbamoylmethyl) phosphorodithioate	$\begin{array}{c} \text{CH}_3\text{O} \\ \\ \text{P} \cdot \text{S} \cdot \text{CH}_2\text{CO} \cdot \text{NH} \cdot \text{CH}_3 \\ \\ \text{CH}_3\text{O} \quad \text{S} \end{array}$	—	—	A, I
dimexan*	di(methoxythiocarbonyl) disulphide dimethyl xanthic disulphide	$\begin{array}{c} \text{S} \\ \\ \text{CH}_3\text{O} \cdot \text{C} \cdot \text{S} \\ \\ \text{CH}_3\text{O} \cdot \text{C} \cdot \text{S} \\ \\ \text{S} \end{array}$	—	DMXD	H
dinex	2-cyclohexyl-4,6-dinitrophenol 2,4-dinitro-6-cyclohexylphenol		it should be stated which salt is present, e.g. dinex-Na	DNOCHP	A, I
dinocap	2-(1-methyl-n-heptyl)-4,6-dinitrophenyl crotonate 2,4-dinitro-6-(2-octyl)phenyl crotonate		—	DNOPC	A, F

* Dimexano is being considered by ISO/TC81 for adoption as a common name.

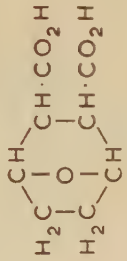
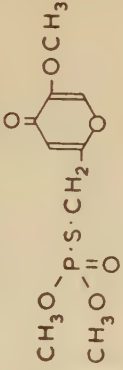
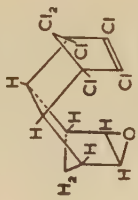
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dinoprop	2-isopropyl-3-methyl-4,6-dinitrophenol		it should be stated which salt is present e.g. dinoprop-Na	DNOIPP	H, I
dinosam	2-(1-methyl-n-butyl)-4,6-dinitrophenol 2,4-dinitro-6-s-amyphenol		it should be stated which salt is present, e.g. dinosam-Na	DNAP DNSAP DNOSAP	H, I
dinoseb	2-(1-methyl-n-propyl)-4,6-dinitrophenol 2,4-dinitro-6-s-butylphenol 6-sec.-butyl-2,4-dinitrophenol		it should be stated which salt or ester is present, e.g. dinoseb-Na or dinoseb acetate	DNBP DNSBP DNOSBP	F, H I
dioxathion	1,4-dioxan-2,3-diyl bis-(OO-diethyl phosphorothiothionate) 1,4-dioxan-2,3-diyl SS-bis-(OO-diethyl phosphorodithioate)		—	delnav	I

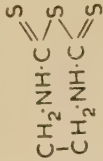
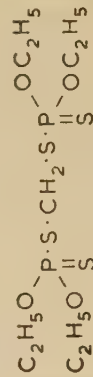
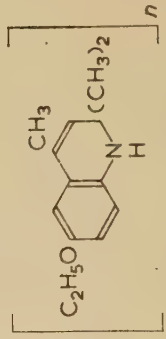
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
diphacinone	2-diphenylacetylindane-1,3-dione		—	diphenadione*	R
diquat	9,10-dihydro-8a,10a-diazonaphenanthrene ion 1,1'-ethylene-2,2'-bipyridylum ion 6,7-dihydrodipyrido[1,2-a:2',1'-c]pyrazidinium ion		it should be stated which anion, A, is present, e.g. diquat-dibromide	—	H
disulfoton	diethyl S-[2-(ethylthio)ethyl] phosphorothiothionate OO-diethyl S-[2-(ethylthio)ethyl] phosphorodithioate		—	—	I
dithianon	2,3-dicyano-1,4-dihydro-1,4-dithia-anthraquinone		—	—	F

* Diphenadione is an approved name of the British Pharmacopoeia Commission.

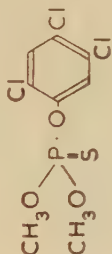
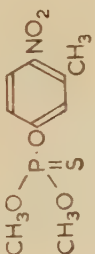
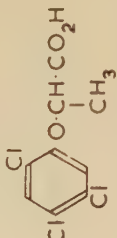
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
diuron	<i>N'</i> -(3,4-dichlorophenyl)- <i>NN</i> -dimethylurea		—	DCMU DMU	H
DNOC	2-methyl-4,6-dinitrophenol 2,4-dinitro-6-methylphenol 2,4-dinitro- <i>o</i> -cresol 3,5-dinitro- <i>o</i> -cresol		it should be stated which salt is present, e.g. DNOC-Na	DNC dinitro-cresol	H, I
dodine*	dodecylguanidine	$\text{C}_{12}\text{H}_{25}\text{NH}\cdot\overset{\text{NH}}{\underset{ }{\text{C}}}\cdot\text{NH}_2$	it should be stated which salt is present, e.g. dodine acetate	—	F
endosulfan	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzo[<i>e</i>]-dioxathiepin 3-oxide		—	—	A, I

* Dodine has been adopted by the International Organization for Standardization as a common name for dodecylguanidine acetate.


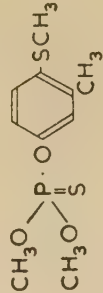
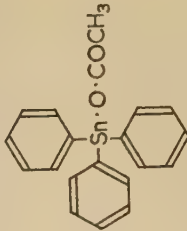
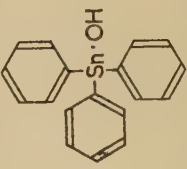
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
endothal	7-oxabicyclo[2,2,1]heptane-2,3-dicarboxylic acid 3,6-epoxycyclohexane-1,2-dicarboxylic acid 3,6-endoxohexahydrophthalic acid		it should be stated which salt is present, e.g. endothal-Na	—	H
endothion	<i>S</i> -(5-methoxy-4-pyrone-2-ylmethyl) dimethyl phosphorothioate <i>S</i> -(5-methoxy-4-pyrone-2-ylmethyl) <i>OO</i> -dimethyl phosphorothioate		—	—	A
endrin	1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8-octahydro- <i>exo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8a-octahydro- <i>endo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene		—	—	A, I

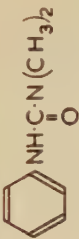
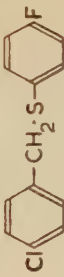
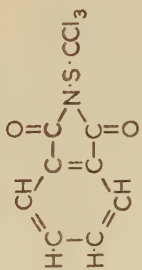

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
etem	hexahydro-2,7-dithio-1,3,6-thiadiazepine		—	UCP/21	F
ethion	tetraethyl SS'-methylene bis-(phosphorothiolothionate) <i>OOO'O'</i> -tetraethyl SS'-methylene di(phosphorodithioate)		—	—	A, I
ethoxyquin*	6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline		—	—	F

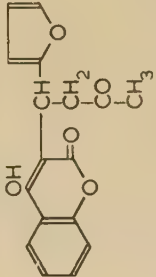
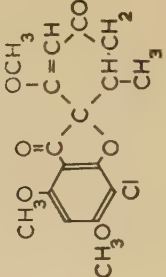
* The structural formula shown represents the ethoxyquin complex arising from the continuing oxidative changes of the parent molecule. The compound, rather than existing as a single molecule, changes spontaneously into a complex as it functions biologically.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
fenchlorphos	dimethyl 2,4,5-trichlorophenyl phosphorothionate <i>OO</i> -dimethyl <i>O</i> -(2,4,5-trichlorophenyl) phosphorothioate		—	ronnel*	I
fenitrothion	dimethyl 3-methyl-4-nitrophenyl phosphorothionate <i>OO</i> -dimethyl <i>O</i> -(3-methyl-4-nitrophenyl) phosphorothioate		—	—	I
fenoprop	(±)-2-(2,4,5-trichlorophenoxy)propionic acid (±)-α-2,4,5-trichlorophenoxypropionic acid		it should be stated which salt is present, e.g. fenoprop-Na	silvex* 2,4,5-TP	H

* American Standards Association common name.

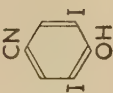
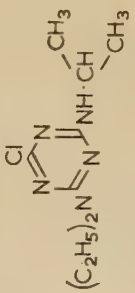
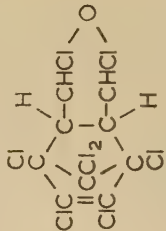
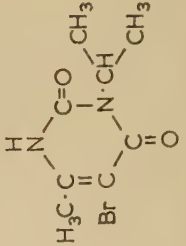
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
fenson	4-chlorophenyl benzenesulphonate <i>p</i> -chlorophenyl benzenesulphonate		—	PCPBS CPBS	A
fenthion	dimethyl 3-methyl-4-methylthiophenyl phosphorothionate <i>OO</i> -dimethyl <i>O</i> -(3-methyl-4-methylthiophenyl) phosphorothioate		—	—	I
fentin acetate	triphenyltin acetate		—	—	F
fentin hydroxide	triphenyltin hydroxide		—	—	F

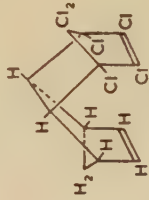
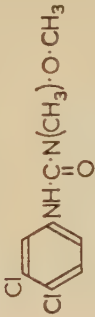
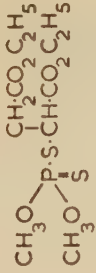
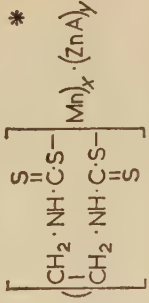
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
fenuron	<i>N,N</i> -dimethyl- <i>N'</i> -phenylurea		—	—	H
ferbam	ferric dimethyldithiocarbamate	$\left[(\text{CH}_3)_2\text{N}-\text{C}(\text{S})=\text{S}-\text{Fe} \right]_3$	—	—	F
fluorbenside	4-chlorobenzyl 4-fluorophenyl sulphide		—	—	A
folpet	<i>N</i> -(trichloromethylthio)phthalimide		—	—	F
formothion	<i>S</i> -(<i>N</i> -formyl- <i>N</i> -methylcarbamoylmethyl) dimethyl phosphorothiothionate <i>S</i> -(<i>N</i> -formyl- <i>N</i> -methylcarbamoylmethyl) <i>OO</i> -dimethyl phosphorodithioate		—	—	A, I

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
fumarin	3-(α -acetyl(furfuryl)-4-hydroxycoumarin		—	coumafuryl*	R
gamma-BHC	<i>see under BHC</i>				
griseofulvin†	7-chloro-4,6-dimethoxycoumaran-3-one-2'-spiro-1'-(2'-methoxy-6'-methylcyclohex-2'-en-4'-one) 7-chloro-4,6,2'-trimethoxy-6'-methylgris-2'-en-3,4'-dione		—	—	F

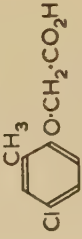
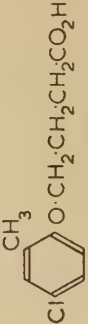
* Coumafuryl has been adopted as a common name by the International Organization for Standardization (see Appendix A).

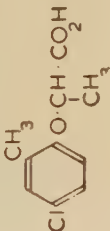
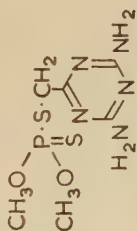
† Griseofulvin is an approved name of the British Pharmacopoeia Commission.

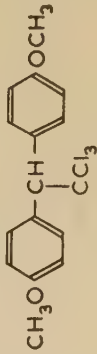
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
ioxynil	4-hydroxy-3,5-di-iodobenzonitrile 4-hydroxy-3,5-di-iodophenyl cyanide		—	—	H
ipazine	2-chloro-6-diethylamino-4-isopropylamino-1,3,5-triazine		—	—	H
isobenzan	1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran		—	—	I
isocil	5-bromo-3-isopropyl-6-methyluracil		—	—	H

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
isodrin	1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>exo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>endo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene		—	—	I
linuron	<i>N'</i> -(3,4-dichlorophenyl)- <i>N</i> -methoxy- <i>N</i> -methylurea		—	—	H
malathion	<i>S</i> -[1,2-di(ethoxycarbonyl)ethyl] dimethyl phosphorothiolothionate <i>S</i> -[1,2-di(ethoxycarbonyl)ethyl] <i>OO</i> -dimethyl phosphorodithioate		—	—	A, I
mancozeb	Complex of zinc and <i>maneb</i> containing 20 per cent manganese and 2.5 per cent zinc	* 	it should be stated which salt is present, e.g. mancozeb-chloride	—	F

* The compound is a co-ordination product of zinc ion and maneb; the ratio x : y is 10 : 1.05 which corresponds with a manganese to zinc ratio of 20.0 : 2.5.

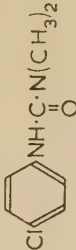

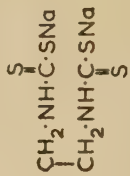
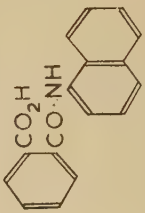
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
maneb	manganese ethylenebis(dithiocarbamate)	$\left(\begin{array}{c} \text{S} \quad \text{S} \\ \quad \\ \text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S} - \\ \quad \\ \text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S} - \\ \quad \\ \text{S} \quad \text{S} \end{array} \right)_n \text{Mn}$	—	—	F
mazidox	<i>N,N,N',N'</i> -tetramethylphosphorodiamidic azide bis(dimethylamino)azidophosphine oxide azidobis(dimethylamino)phosphine oxide	$\begin{array}{c} \text{O} \quad \text{N}_3 \\ \quad \\ (\text{CH}_3)_2\text{N} - \text{P} - \text{N}(\text{CH}_3)_2 \end{array}$	—	—	I
MCPA	4-chloro-2-methylphenoxyacetic acid 2-methyl-4-chlorophenoxyacetic acid		it should be stated which salt or ester is present, e.g. MCPA-Na	MCP	H
MCPB	4-(4-chloro-2-methylphenoxy)butyric acid γ -4-chloro-2-methylphenoxybutyric acid		it should be stated which salt or ester is present, e.g. MCPB-Na	—	H

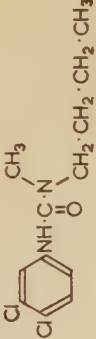
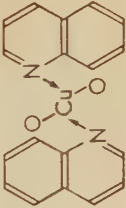
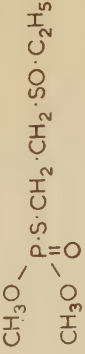
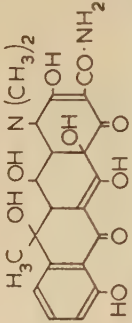
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
mecarbam	<i>S</i> -(<i>N</i> -ethoxycarbonyl- <i>N</i> -methylcarbamoyl-methyl) diethyl phosphorothiothionate <i>S</i> -(<i>N</i> -ethoxycarbonyl- <i>N</i> -methylcarbamoyl-methyl) <i>OO</i> -diethyl phosphorodithioate	$\begin{array}{c} \text{C}_2\text{H}_5\text{O} \\ \diagup \\ \text{P} \cdot \text{S} \cdot \text{CH}_2 \cdot \text{CO} \cdot \text{N} \cdot \text{CO}_2 \cdot \text{C}_2\text{H}_5 \\ \diagdown \\ \text{C}_2\text{H}_5\text{O} \end{array}$ $\begin{array}{c} \text{S} \\ \parallel \\ \text{CH}_3 \end{array}$	—	—	A, I
mecoprop	(±)-2-(4-chloro-2-methylphenoxy)propionic acid (±)-α-(4-chloro-2-methylphenoxy)propionic acid		it should be stated which salt or ester is present, e.g. mecoprop-K	CMPP MCPP	H
menazon	<i>S</i> -(4,6-diamino-1,3,5-triazin-2-ylmethyl) dimethyl phosphorothiothionate <i>S</i> -(4,6-diamino-1,3,5-triazin-2-ylmethyl) <i>OO</i> -dimethyl phosphorodithioate		—	—	I

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
metham *	N-methyldithiocarbamic acid	$\text{CH}_3 \cdot \text{NH} \cdot \text{C} \begin{array}{c} \parallel \\ \text{S} \end{array} \cdot \text{SH}$	it should be stated which salt or ester is present, e.g. metham-Na	—	F, H, I, N
methoxychlor	1,1,1-trichloro-2,2-di-(4-methoxyphenyl)ethane		—	methoxy-DDT DMDT dimethoxy-DT	I
metram	complex of <i>zineb</i> and polyethylene thiuram disulphide containing 80 per cent <i>zineb</i>	$\left[\begin{array}{c} \text{S} \\ \parallel \\ (\text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S}) \\ \parallel \\ \text{S} \end{array} \right]_n \left(\begin{array}{c} \text{S} \\ \parallel \\ (\text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S}) \\ \parallel \\ \text{S} \end{array} \right)_m \left[\begin{array}{c} \text{S} \\ \parallel \\ (\text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S}) \\ \parallel \\ \text{S} \end{array} \right]_x$ $n:m \equiv 1:3$	—	—	F

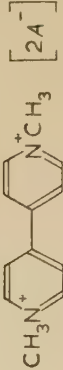
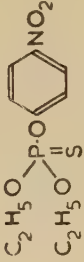
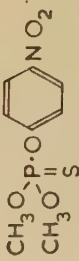
* Metam-sodium is being considered by ISO/TC81 for adoption as a common name for the sodium salt.

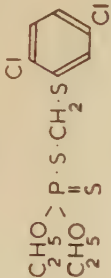
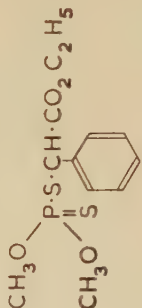
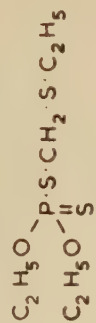
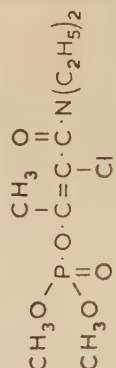
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
mevinphos	<i>cis</i> -2-methoxycarbonyl-1-methylvinyl dimethyl phosphate methyl <i>cis</i> -3-(dimethoxyphosphinyloxy) crotonate	$ \begin{array}{c} \text{CH}_3\text{O} \quad \text{CH}_3\text{O} \\ \diagdown \quad \diagup \\ \text{P} \quad \text{C}=\text{CH} \cdot \text{C} \cdot \text{OCH}_3 \\ \parallel \quad \mid \\ \text{O} \quad \text{CH}_3 \end{array} $	—	—	I
mezinex	zinc propylenebisdithiocarbamate	$ \left(\begin{array}{c} \text{S} \\ \parallel \\ \text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S} - \\ \mid \\ \text{CH}_3 \cdot \text{CH} \cdot \text{NH} \cdot \text{C} \cdot \text{S} - \\ \parallel \\ \text{S} \end{array} \right)_n \text{Zn} $	—	—	F
mipafox	<i>N,N'</i> -di-isopropylphosphorodiamidic fluoride bis(monoisopropylamino)fluorophosphine oxide fluorobis(isopropylamino)phosphine oxide	$ \begin{array}{c} \text{O} \\ \parallel \\ (\text{CH}_3)_2 \text{CH} \cdot \text{NH} - \text{P} - \text{CH} \cdot \text{NH} (\text{CH}_3)_2 \\ \mid \qquad \qquad \qquad \mid \\ \text{F} \end{array} $	—	—	I
monolinuron	<i>N'</i> -(4-chlorophenyl)- <i>N</i> -methoxy- <i>N</i> -methylurea <i>N'</i> - <i>p</i> -chlorophenyl- <i>N</i> -methoxy- <i>N</i> -methylurea		—	—	H

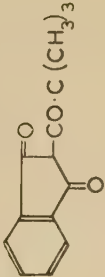
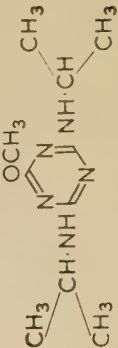
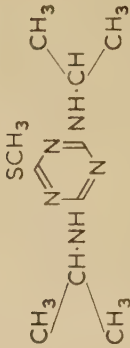
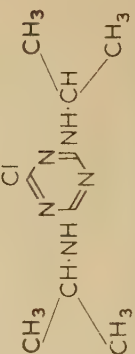
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
monuron	<i>N'</i> -(4-chlorophenyl)- <i>NN</i> -dimethylurea <i>N'</i> - <i>p</i> -chlorophenyl- <i>NN</i> -dimethylurea		—	CMU	H
morphothion	dimethyl <i>S</i> -(morpholinocarbonylmethyl) phosphorothiothionate <i>OO</i> -dimethyl <i>S</i> -(morpholinocarbonylmethyl) phosphorodithioate		—	—	I
nabam	disodium ethylenebisdithiocarbamate		—	—	F
naphtalam	<i>N</i> -1-naphthylphthalamic acid		—	panala NPA NP	H


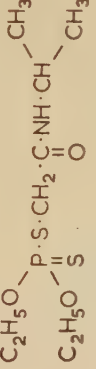
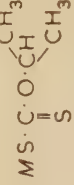
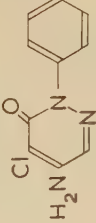
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
neburon	<i>N</i> -butyl- <i>N'</i> -(3,4-dichlorophenyl)- <i>N</i> -methylurea		—	—	H
oxine-copper or oxine- Cu	cupric 8-quinolinolate		—	—	F
oxydemeton-methyl	<i>S</i> -[2-(ethylsulphonyl)ethyl] dimethyl phosphorothioate <i>S</i> -[2-(ethylsulphonyl)ethyl] <i>OO</i> -dimethyl phosphorothioate		—	—	A, I
oxytetra-cycline*	4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxonaphthacene-2-carboxamide		—	—	B, F

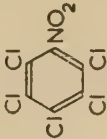
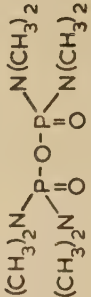
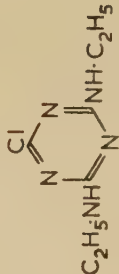
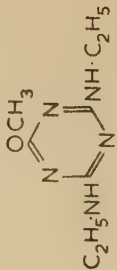
* Oxytetracycline is an approved name of the British Pharmacopœia Commission.

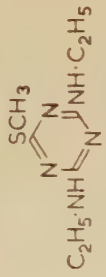
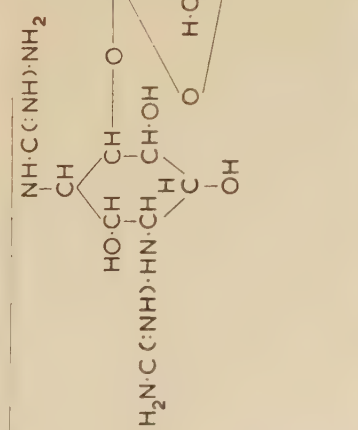
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
paraquat	1,1'-dimethyl-4,4'-bipyridylium ion 1,1'-dimethyl-4,4'-dipyridylium ion		it should be stated which anion, <i>A</i> , is present, e.g. paraquat-di(methylsulphate) or paraquat-dichloride	—	H
parathion	diethyl 4-nitrophenyl phosphorothionate <i>OO</i> -diethyl <i>O</i> -(4-nitrophenyl) phosphorothioate <i>OO</i> -diethyl <i>O</i> - <i>p</i> -nitrophenyl phosphorothioate		—	—	A, I
parathion-methyl	dimethyl 4-nitrophenyl phosphorothionate <i>OO</i> -dimethyl <i>O</i> -(4-nitrophenyl) phosphorothioate <i>OO</i> -dimethyl <i>O</i> - <i>p</i> -nitrophenyl phosphorothioate		—	—	A, I

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
phenkapton	<i>S</i> -(2,5-dichlorophenylthiomethyl) diethyl phosphorothiolothionate <i>S</i> -(2,5-dichlorophenylthiomethyl) <i>OO</i> -diethyl phosphorodithioate		—	—	A
phenthoate	<i>S</i> - α -ethoxycarbonylbenzyl dimethyl phosphorothiolothionate <i>S</i> - α -ethoxycarbonylbenzyl <i>OO</i> -dimethyl phosphorodithioate		—	—	A I
phorate	diethyl <i>S</i> -(ethylthiomethyl) phosphorothiolothionate <i>OO</i> -diethyl <i>S</i> -(ethylthiomethyl) phosphorodithioate		—	—	I
phosphamidon	2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate		—	—	A, I

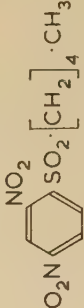
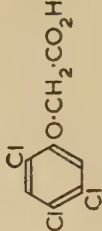
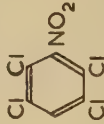
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
pindone	2-pivaloylindane-1,3-dione		—	—	R
prometon	4,6-bis(isopropylamino)-2-methoxy-1,3,5-triazine		—	—	H
prometryne	4,6-bis(isopropylamino)-2-methylthio-1,3,5-triazine		—	—	H
propazine	2-chloro-4,6-bis(isopropylamino)-1,3,5-triazine		—	—	H

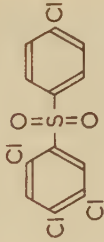
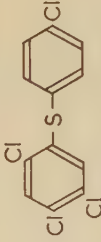
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
propham	isopropyl <i>N</i> -phenylcarbamate isopropyl phenylcarbamate		—	IPC IPPC	H
prothoate	diethyl <i>S</i> -(<i>N</i> -isopropylcarbamoylmethyl)phosphorothiothionate <i>OO</i> -diethyl <i>S</i> -(<i>N</i> -isopropylcarbamoylmethyl)phosphorodithioate		—	—	A
proxan	<i>M</i> isopropyl xanthate <i>M</i> isopropyl xanthate		it should be stated which metal, <i>M</i> , is present, e.g. proxan-Na	—	H
pyrazon	5-amino-4-chloro-2-phenylpyridazin-3-one		—	PCA	H

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
quintozene	pentachloronitrobenzene		—	PCNB	F
schradian	bis- <i>NNN'</i> -tetramethylphosphorodiamidic anhydride bis(dimethylamino)phosphonous anhydride octamethylpyrophosphoramide tetrakisdimethylaminophosphonous anhydride		—	—	A, I
simazine	2-chloro-4,6-bisethylamino-1,3,5-triazine		—	—	H
simeton	4,6-bisethylamino-2-methoxy-1,3,5-triazine		—	—	H


Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
simefryne	4,6-bisethylamino-2-methylthio-1,3,5-triazine		—	—	H
streptomycin*	2,4-diguanidinino-3,5,6-trihydroxycyclohexyl 5-deoxy-2-O-(2-deoxy-2-methylamino- α -L-glucopyranosyl)-3-C-formyl- β -1-L-xylofuranoside		it should be stated which salt is present, e.g. di-base tris-sulphate	—	B, F


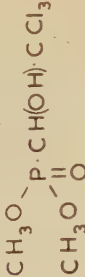
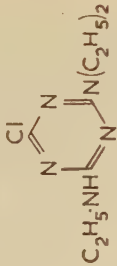
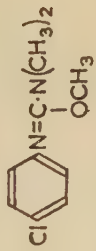
* Streptomycin is an approved name of the British Pharmacopoeia Commission.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
sulfotep	bis- <i>OO</i> -diethylphosphorothionic anhydride bis- <i>OO</i> -diethylphosphorothioic anhydride tetraethyl dithiopyrophosphate	$ \begin{array}{c} \text{C}_2\text{H}_5\text{O} \quad \text{OC}_2\text{H}_5 \\ \diagdown \quad \diagup \\ \text{P} \quad \text{P} \\ \diagup \quad \diagdown \quad \diagup \quad \diagdown \\ \text{C}_2\text{H}_5\text{O} \quad \text{S} \quad \text{S} \quad \text{OC}_2\text{H}_5 \end{array} $	—	dithio thiotep dithioTEPP	A, I
sultropen	2,4-dinitrophenyl n-pentyl sulphone		—	—	F
2,4,5-T	2,4,5-trichlorophenoxyacetic acid		it should be stated which salt or ester is present, e.g. 2,4,5-T-Me	—	H
tecnazene	1,2,4,5-tetrachloro-3-nitrobenzene 2,3,5,6-tetrachloronitrobenzene		—	TCNB	F

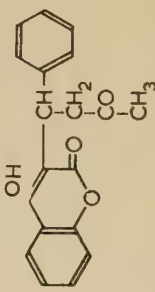
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
tecoram	<i>N,N'</i> -ethylenebis-(<i>N,N''</i> -dimethylthiuram disulphide)	$\begin{array}{c} \text{CH}_2 \cdot \text{NH} \cdot \text{CS} \cdot \text{S} \cdot \text{CS} \cdot \text{N}(\text{CH}_3)_2 \\ \\ \text{CH}_2 \cdot \text{NH} \cdot \text{CS} \cdot \text{S} \cdot \text{CS} \cdot \text{N}(\text{CH}_3)_2 \end{array}$	—	—	F
TEPP	bis- <i>O,O</i> -diethylphosphoric anhydride tetraethyl pyrophosphate	$\begin{array}{c} \text{C}_2\text{H}_5\text{O} \quad \text{O} \quad \text{C}_2\text{H}_5 \\ \diagdown \quad \diagup \\ \text{P} \cdot \text{O} \cdot \text{P} \\ \diagup \quad \diagdown \\ \text{C}_2\text{H}_5\text{O} \quad \text{O} \quad \text{C}_2\text{H}_5 \end{array}$	—	ethylpyro-phosphate*	A, I
tetradifon	2,4,5,4'-tetrachlorodiphenyl sulphone		—	chlorodifon	A
tetrasul	4-chlorophenyl 2,4,5-trichlorophenyl sulphide		—	—	A

* Ethylpyrophosphate is an approved name of the British Pharmacopœia Commission.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
thiometon	<i>S</i> -[2-(ethylthio)ethyl] dimethyl phosphorothiothionate <i>S</i> -[2-(ethylthio)ethyl] <i>OO</i> -dimethyl phosphorodithioate	$ \begin{array}{c} \text{CH}_3\text{O} \\ \\ \text{P} \cdot \text{S} \cdot \text{CH}_2 \cdot \text{CH}_2 \cdot \text{S} \cdot \text{C}_2\text{H}_5 \\ \\ \text{CH}_3\text{O} \quad \text{S} \end{array} $	—	—	A, I
thionazin	diethyl <i>O</i> -2-pyrazinyl phosphorothionate <i>OO</i> -diethyl <i>O</i> -2-pyrazinyl phosphorothioate	$ \begin{array}{c} \text{N} \\ \diagup \quad \diagdown \\ \text{HC} \quad \text{CH} \\ \quad \\ \text{C} \\ \\ \text{P} \cdot \text{O} \cdot \text{C} \\ \quad \\ \text{C}_2\text{H}_5\text{O} \quad \text{S} \quad \text{C}_2\text{H}_5\text{O} \end{array} $	—	—	I, N
thioquinox	2-thio-1,3-dithiolo [4,5- <i>b</i>]quinoxaline quinoxaline-2,3-diyl trithiocarbonate		—	—	A, F
thiram	bis(dimethylthiocarbamoyl) disulphide tetramethylthiuram disulphide	$ \begin{array}{c} \text{S} \\ \\ (\text{CH}_3)_2\text{N} \cdot \text{C} \cdot \text{S} \\ \\ (\text{CH}_3)_2\text{N} \cdot \text{C} \cdot \text{S} \\ \\ \text{S} \end{array} $	—	TMT TMTD	F
tri-allate	<i>S</i> -2,3,3-trichloroallyl <i>NN</i> -diisopropylthiocarbamate	$ \begin{array}{c} (\text{CH}_3)_2\text{CH} \\ \\ \text{N} \cdot \text{C} \cdot \text{S} \cdot \text{CH}_2 \cdot \text{CCl} = \text{CCl}_2 \\ \\ (\text{CH}_3)_2\text{CH} \quad \text{O} \end{array} $	—	—	H

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
tricamba	3,5,6-trichloro-2-methoxybenzoic acid 3,5,6-trichloro-o-anisic acid		—	—	H
trichlorphon*	dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate		—	—	I
trietazine	2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine		—	—	H
trimeturon	N'-(4-chlorophenyl)-ONN'-trimethylisourea N'-p-chlorophenyl-ONN'-trimethylisourea		—	—	H

* Trichlorfon has been adopted as a common name by the International Organization for Standardization.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
vamidothion	dimethyl S-[2-(1-methylcarbamoylethylthio)ethyl] phosphorothiolate OO-dimethyl S-[2-(1-methylcarbamoylethylthio)ethyl] phosphorothioate	$\begin{array}{c} \text{CH}_3\text{O} \\ \\ \text{P} \cdot \text{S} \cdot \text{CH}_2 \cdot \text{CH}_2 \cdot \text{S} \cdot \text{CH}(\text{CH}_3) \cdot \text{C}(=\text{O}) \cdot \text{NH} \cdot \text{CH}_3 \\ \\ \text{CH}_3\text{O} \end{array}$	—	—	A, I
warfarin*	3-(α -acetonylbenzyl)-4-hydroxycoumarin 3-(α -phenyl- β -acetylethyl)-4-hydroxycoumarin		—	—	R
zineb	zinc ethylenebisdithiocarbamate	$\left(\begin{array}{c} \text{S} \\ \\ \text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S} - \\ \quad \quad \\ \text{CH}_2 \cdot \text{NH} \cdot \text{C} \cdot \text{S} - \\ \quad \quad \\ \text{S} \quad \quad \text{S} \end{array} \text{Zn} \right)_n$	—	—	F
ziram	zinc dimethyldithiocarbamate	$\left[(\text{CH}_3)_2\text{N} \cdot \text{C} \cdot \text{S} \begin{array}{c} \text{S} \\ \\ \text{S} \end{array} \text{Zn} \right]_2$	—	—	F

* Warfarin is an approved name of the British Pharmacopoeia Commission.

APPENDIX A

COMMON NAMES CONSIDERED BY ISO BUT NOT
RECOMMENDED IN THIS BRITISH STANDARD

The following chemicals have been considered by the International Organization for Standardization (ISO) to require common names.

Draft ISO common name	Chemical name
amitrole*	3-amino-1,2,4-triazole
coumafuryl†	3-(α -acetyl-furfuryl)-4-hydroxycoumarin
disul‡	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate
erbon	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
glyodin	2-heptadecyl-2-imidazoline acetate

All the common names in this list have been approved as ISO recommended names.

Amitrole, erbon and glyodin are in conflict with existing trade mark registrations in the U.K.

* This compound is listed in Appendix B as aminotriazole.

† In the U.K. the common name **fumarin** has been standardized (see page 36).

‡ In the U.K. the common name **2,4-DES** has been standardized (see page 23).

APPENDIX B

ORGANIC PESTICIDES NOT REQUIRING COMMON NAMES

(Attention is drawn to B.S. 2474, 'Recommended names for chemicals used in industry'.)

allyl alcohol	methyl bromide (bromomethane)
aminotriazole	methylene chloride (dichloromethane)
anthraquinone	methylmercury benzoate
azobenzene	methylmercury dicyandiamide
bisphenylmercury methylenedi-	[<i>N</i> -cyano- <i>N'</i> -(methylmercury
(<i>x</i> -naphthalene- <i>y</i> -sulphonate)	guanidine)]
carbon disulphide	methylmercury pentachlorophenoxide
carbon tetrachloride	monochloroacetic acid
chloralose (glucochloralose)	(chloroacetic acid)
chloranil	naphthalene
chloroform	α -naphthaleneacetic acid
chloropicrin	(1-naphthylacetic acid)
cinerins	naphthoxyacetic acids
cresylic acid (mixed cresols)	(naphthylxyacetic acids)
<i>o</i> -dichlorobenzene	nicotine
<i>p</i> -dichlorobenzene	nicotine sulphate
di- <i>n</i> -butyl phthalate	nonanol (3,5,5-trimethylhexan-1-ol)
1,2-dichloropropane	pentachlorophenol
1,3-dichloropropene	phenylmercuriurea
dimethyl phthalate	8-phenylmercurioxyquinoline
diphenyl sulphone	phenylmercury acetate
epoxyethane (ethylene oxide)	phenylmercury chloride
(3-ethoxypropyl)mercury bromide	phenylmercury derivative of pyrocatechol
ethylene dibromide (1,2-dibromoethane)	phenylmercury nitrate
ethylene dichloride (1,2-dichloroethane)	phenylmercury salicylate
ethylmercury 2,3-	2-phenylphenol
hydroxypropylmercaptide	piperonyl butoxide
[3-(ethylmercurithio)propane-1,2-diol]	{5-[2-(2-butoxyethoxy)ethoxymethyl]-
<i>N</i> -(ethylmercury)- <i>p</i> -toluene	6-propyl-1,3-benzodioxole}
sulphonanilide	pyrethrins
ethylmercury bromide	rotenone
ethylmercury chloride	salicylanilide
ethylmercury phosphate	strychnine
fluoroacetamide	tetrachloroethane
formaldehyde	tolylmercury acetate
hexachlorobenzene	trichloroacetic acid
maleic hydrazide	2,3,6-trichlorobenzoic acid
metaldehyde	xenolol (mixed xyenols)
2-methoxyethylmercury chloride	

INDEX

	Page
3-(α -acetylbenzyl)-4-hydroxycoumarin	see warfarin 56
3-(α -acetyl-4-chlorobenzyl)-4-hydroxycoumarin	see coumachlor 19
3-(α -acetylfurfuryl)-4-hydroxycoumarin	see fumarin and coumafuryl 36, 57
aldrin	10
allethrin	10
allyl alcohol	58
DL-2-allyl-4-hydroxy-3-methylcyclopent-2-en-1-one, esterified with a mixture of <i>cis</i> - and <i>trans</i> -DL chrysanthemum monocarboxylic acid	see allethrin 10
(\pm)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (\pm)-(cis + <i>trans</i>)-chrysanthemum-monocarboxylate	see allethrin 10
ametryne	10
5-amino-4-chloro-2-phenylpyridazin-3-one	see pyrazon 49
3-amino-2,5-dichlorobenzoic acid	see chloramben 16
aminotriazole	57, 58
3-amino-1,2,4-triazole	see amitrole 57
amiton	11
amitrole	57
anthiphen	see dichlorophen 25
anthraquinone	58
antu	11
atraton	11
atrazine	11
azidobis(dimethylamino)phosphine oxide	see mazidox 40
azinphos-ethyl	12
azinphos-methyl	12
azithiram	12
azobenzene	58
azothoate	12
barban	13
benquinox	13
benzene hexachloride	see BHC 13
1,4-benzoquinone benzoylhydrazone oxime	see benquinox 13
BFPO	see dimefox 26
BHC	13
binapacryl	13
bis- <i>OO</i> -diethylphosphoric anhydride	see TEPP 53
bis- <i>OO</i> -diethylphosphorothioic anhydride	see sulfotep 52
bis- <i>OO</i> -diethylphosphorothionic anhydride	see sulfotep 52
bis(dimethylamino)azidophosphine oxide	see mazidox 40
bisdimethylaminothiocarbamoyl disulphide	see azithiram 12
bis(dimethylamino)fluorophosphine oxide	see dimefox 26
bis(dimethylamino)phosphonous anhydride	see schradan 50
<i>NN'</i> -bis(dimethylamino)thiuram disulphide	see azithiram 12
bis(dimethylthiocarbamoyl) disulphide	see thiram 54
4,6-bisethylamino-2-methoxy-1,3,5-triazine	see simeton 50
4,6-bisethylamino-2-methylthio-1,3,5-triazine	see simetryne 51
4,6-bisisopropylamino-2-methoxy-1,3,5-triazine	see prometon 48
4,6-bisisopropylamino-2-methylthio-1,3,5-triazine	see prometryne 48
bis(monoisopropylamino)fluorophosphine oxide	see mipafox 43
bisphenylmercury methylenedi(<i>x</i> -naphthalene- <i>y</i> -sulphonate)	58

	Page
bis- <i>NNN'</i> <i>N'</i> -tetramethylphosphorodiamidic anhydride	see schradan 50
bromacil	14
5-bromo-3- <i>sec.</i> -butyl-6-methyluracil	see bromacil 14
bromocyclen	14
<i>O</i> -4-bromo-2,5-dichlorophenyl	
<i>OO</i> -dimethyl phosphorothioate	see bromophos 14
4-(bromo-2,5-dichlorophenyl) dimethyl phosphorothionate	see bromophos 14
5-bromo-6-methyl-3- <i>s</i> -butyluracil	see bromacil 14
5-bromomethyl-1,2,3,4,7,7-hexachloro[2,2,1]bicyclohept-2-ene	see bromocyclen 14
5-bromo-6-methyl-3-(1-methyl- <i>n</i> -propyl)uracil	see bromacil 14
5-bromo-3-isopropyl-6-methyluracil	see isocil 38
bromomethane	see methyl bromide 58
bromophos	14
bromoxynil	14
butonate	15
buturon	15
5-[2-(2-butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole	see piperonyl butoxide 58
<i>N</i> -butyl- <i>N'</i> -(3,4-dichlorophenyl)- <i>N</i> -methylurea	see neburon 45
6- <i>sec.</i> -butyl-2,4-dinitrophenol	see dinoseb 28
6- <i>sec.</i> -butyl-2,4-dinitrophenyl 3-methylcrotonate	see binapacryl 13
captan	15
carbaryl	15
carbon disulphide	58
carbon tetrachloride	58
carbophenothion	16
chloralose	58
chloramben	16
chloranil	58
chlorazine	16
chlorbenside	16
chlorbicyclen	17
chlordane	17
chlorfenson	17
chloroacetic acid	see monochloroacetic acid 58
chlorobenzilate	17
4-chlorobenzyl 4-chlorophenyl sulphide	see chlorbenside 16
4-chlorobenzyl 4-fluorophenyl sulphide	see fluorbenside 35
2-chloro-4,6-bisdiethylamino-1,3,5-triazine	see chlorazine 16
2-chloro-4,6-bisethylamino-1,3,5-triazine	see simazine 50
2-chloro-4,6-bis(isopropylamino)-1,3,5-triazine	see propazine 48
4-chlorobut-2-ynyl <i>N</i> -(3-chlorophenyl)carbamate	see barban 13
4-chlorobut-2-ynyl 3-chlorocarbaniolate	see barban 13
2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine	see trietazine 55
2-chloro-6-diethylamino-4-isopropylamino-1,3,5-triazine	see ipazine 38
2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	see phosphamidon 47
chlorodifon	see tetradifon 53
7-chloro-4,6-dimethoxycoumaran-3-one-2-spiro-1'- (2'-methoxy-6'-methylcyclohex-2'-en-4'-one)	see griseofulvin 36
2-chloro-4-dimethylamino-6-methylpyrimidine	see crimidine 20
2-chloro-6-ethylamino-4-isopropylamino-1,3,5-triazine	see atrazine 11
chloroform	58

	Page
<i>O</i> -(3-chloro-4-methyl-7-coumarinyl) <i>OO</i> -diethyl phosphorothioate	see coumaphos 19
3-chloro-4-methyl-7-coumarinyl diethyl phosphorothionate	see coumaphos 19
4-chloro-2-methylphenoxyacetic acid	see MCPA 40
7-(4-chloro-2-methylphenoxy)butyric acid	see MCPB 40
4-(4-chloro-2-methylphenoxy)butyric acid	see MCPB 40
(<i>±</i>)- α -(4-chloro-2-methylphenoxy)propionic acid	see mecoprop 41
(<i>±</i>)- β -(4-chloro-2-methylphenoxy)propionic acid	see mecoprop 41
chlorophacinone	18
chlorophenotane	see DDT 21
4-chlorophenoxyacetic acid	see 4-CPA 20
<i>N</i> '-4- <i>p</i> -chlorophenoxyphenyl- <i>NN</i> -dimethylurea	see chloroxuron 18
<i>N</i> '-4-(4-chlorophenoxy)phenyl- <i>NN</i> -dimethylurea	see chloroxuron 18
<i>O</i> -(4-(4-chlorophenyl)azophenyl) <i>OO</i> -dimethyl phosphorothioate	see azothoate 12
4-(4-chlorophenyl)azophenyl dimethyl phosphorothionate	see azothoate 12
<i>p</i> -chlorophenyl benzenesulphonate	see fenson 34
4-chlorophenyl benzenesulphonate	see fenson 34
4-chlorophenyl 4-chlorobenzenesulphonate	see chlorfenson 17
<i>p</i> -chlorophenyl <i>p</i> -chlorobenzenesulphonate	see chlorfenson 17
<i>N</i> '- <i>p</i> -chlorophenyl- <i>NN</i> -dimethylurea	see monuron 44
<i>N</i> '-(4-chlorophenyl)- <i>NN</i> -dimethylurea	see monuron 44
<i>N</i> '- <i>p</i> -chlorophenyl- <i>N</i> -methoxy- <i>N</i> -methylurea	see monolinuron 43
<i>N</i> '-(4-chlorophenyl)- <i>N</i> -methoxy- <i>N</i> -methylurea	see monolinuron 43
1- <i>p</i> -chlorophenyl-1-methyl-1-(1-methyl-2-propynyl)urea	see buturon 15
<i>N</i> '-(4-chlorophenyl)- <i>N</i> -methyl- <i>N</i> -(1-methylprop-2-ynyl)urea	see buturon 15
2-(<i>p</i> -chlorophenyl)- α -phenylacetylindane-1,3-dione	see chlorophacinone 18
5-(4-chlorophenylthiomethyl) diethyl phosphorothiolothionate	see carbophenothion 18
4-chlorophenyl 2,4,5-trichlorophenyl sulphide	see tetrasul 53
<i>N</i> '- <i>p</i> -chlorophenyl- <i>ONN</i> -trimethylurea	see trimeturon 55
<i>N</i> '-(4-chlorophenyl)- <i>ONN</i> -trimethylurea	see trimeturon 55
chloropicrin	58
7-chloro-4,6,2'-trimethoxy-6'-methylgrin-2'-en-3,4'-dione	see griseofulvin 36
chloroxuron	18
chlorpropham	18
chromaphon	see coumithoate 19
cimexin	58
CIPC	see chlorpropham 18
CMPP	see mecoprop 41
CMU	see monuron 44
complex of zinc and maneb containing 20 per cent manganese and 2.5 per cent zinc	see mancozeb 39
complex of zineb and polyethylene thiuram disulphide containing 80 per cent zineb	see metiram 42
coumachlor	19
coumafuryl	see fumarin 36, 57
coumaphos	19
coumatetralyl	19
coumithoate	19
4-CPA	20
CPBS	see fenson 34
CPCBS	see chlorfenson 17
cresylic acid	58
crimidine	20
cupric 8-quinolinolate	see oxine-copper 45
cuprobam	20

	Page
2-cyclohexyl-4,6-dinitrophenol	see dinex 27
<i>N</i> -cyano- <i>N'</i> -(methylmercury)guanidine	see methylmercury dicyandiamide 58
<i>N'</i> -cyclo-octyl- <i>NN</i> -dimethylurea	see cycluron 20
cycluron	20
2,4-D	20
dalapon	21
dazomet	21
2,4-DB	21
DCMU	see diuron 30
DDT	21
pp'-DDT	22
DDVP	see dichlorvos 25
delnav	see dioxathion 28
demeton	22
demeton-methyl	22
demeton-O	22
demeton-O-methyl	22
demeton-S	23
demeton-S-methyl	23
2,4-DES	23
desmetryne	23
di-allate	24
<i>S</i> -(4,6-diamino-1,3,5-triazin-2-ylmethyl) <i>OO</i> -dimethyl phosphorodithioate	see menazon 41
<i>S</i> -(4,6-diamino-1,3,5-triazin-2-ylmethyl) dimethyl phosphorothiolothionate	see menazon 41
diazinon	24
3,5-dibromo-4-hydroxybenzonitrile	see bromoxynil 14
3,5-dibromo-4-hydroxyphenyl cyanide	see bromoxynil 14
1,2-dibromoethane	see ethylene dibromide 58
di- <i>n</i> -butyl phthalate	58
dicamba	24
dichlobenil	24
dichlone	25
<i>S</i> -2,3-dichloroallyl <i>NN</i> -di-isopropylthiocarbamate	see di-allate 24
3,6-dichloro- <i>o</i> -anisic acid	see dicamba 24
<i>o</i> -dichlorobenzene	58
<i>p</i> -dichlorobenzene	58
2,6-dichlorobenzonitrile	see dichlobenil 24
dichlorodiphenyltrichloroethane	see DDT 21
1,2-dichloroethane	see ethylene dichloride 58
dichloromethane	see methylene chloride 58
di-(5-chloro-2-hydroxyphenyl)methane	see dichlorophen 25
3,6-dichloro-2-methoxybenzoic acid	see dicamba 24
2,3-dichloro-1,4-naphthaquinone	see dichlone 25
2,6-dichloro-4-nitroaniline	see dicloran 26
dichlorophen	25
2,4-dichlorophenoxyacetic acid	see 2,4-D 20
4-(2,4-dichlorophenoxy)butyric acid	see 2,4-DB 21
γ -2,4-dichlorophenoxybutyric acid	see 2,4-DB 21
2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate	see 2,4-DES and disul 23, 57
β -2,4-dichlorophenoxyethyl hydrogen sulphate	see 2,4-DES and disul 23, 57
(\pm)-2-(2,4-dichlorophenoxy)propionic acid	see dichlorprop 25

	Page
2,6-dichlorophenyl cyanide	see dichlobenil 24
<i>N</i> '-(3,4-dichlorophenyl)- <i>NN</i> -dimethylurea	see diuron 30
<i>N</i> '-(3,4-dichlorophenyl)- <i>N</i> -methoxy- <i>N</i> -methylurea	see linuron 39
<i>S</i> -(2,5-dichlorophenylthiomethyl) <i>OO</i> -diethyl phosphorodithioate	see phenkapton 47
<i>S</i> -(2,5-dichlorophenylthiomethyl) diethyl phosphorothiolothionate	see phenkapton 47
1,2-dichloropropane	58
1,3-dichloropropene	58
α -dichloropropionic acid	see dalapon 21
2,2-dichloropropionic acid	see dalapon 21
2,2-dichlorovinyl dimethyl phosphate	see dichlorvos 25
dichlorprop	25
dichlorvos	25
dichloran	26
dicofol	26
dicophane	see DDT 21
2,3-dicyano-1,4-dihydro-1,4-dithia-anthraquinone	see dithianon 29
dieldrin	26
<i>S</i> -[1,2-di(ethoxycarbonyl)ethyl] <i>OO</i> -dimethyl phosphorodithioate	see malathion 39
<i>S</i> -[1,2-di(ethoxycarbonyl)ethyl] dimethyl phosphorothiolothionate	see malathion 39
<i>S</i> -(2-diethylaminoethyl) <i>OO</i> -diethyl phosphorothioate	see amiton 11
<i>S</i> -(2-diethylaminoethyl) diethyl phosphorothiolate	see amiton 11
<i>OO</i> -diethyl <i>S</i> -(4-chlorophenylthiomethyl) phosphorodithioate	see carbophenothion 16
<i>OO</i> -diethyl <i>S</i> -[2-(ethylthio)ethyl] phosphorodithioate	see disulfoton 29
<i>OO</i> -diethyl <i>O</i> -[2-(ethylthio)ethyl] phosphorothioate	see demeton-O 22
<i>OO</i> -diethyl <i>S</i> -[2-(ethylthio)ethyl] phosphorothioate	see demeton-S 23
diethyl <i>S</i> -[2-(ethylthio)ethyl] phosphorothiolate	see demeton-S 23
diethyl <i>S</i> -[2-(ethylthio)ethyl] phosphorothiolothionate	see disulfoton 29
diethyl 2-(ethylthio)ethyl phosphorothionate	see demeton-O 22
<i>OO</i> -diethyl <i>S</i> -(ethylthiomethyl) phosphorodithioate	see phorate 47
diethyl <i>S</i> -(ethylthiomethyl) phosphorothiolothionate	see phorate 47
<i>OO</i> -diethyl <i>O</i> -(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	see diazinon 24
diethyl 2-isopropyl-6-methyl-4-pyrimidinyl phosphorothionate	see diazinon 24
<i>OO</i> -diethyl <i>O</i> -2-pyrazinyl phosphorothioate	see thionazin 54
diethyl 2-pyrazinyl phosphorothionate	see thionazin 54
<i>OO</i> -diethyl <i>O</i> -4-methyl-2-isopropylpyrimidin-6-yl phosphorothioate	see diazinon 24
<i>OO</i> -diethyl <i>O</i> - <i>p</i> -nitrophenyl phosphorothioate	see parathion 46
<i>OO</i> -diethyl <i>O</i> -(4-nitrophenyl) phosphorothioate	see parathion 46
diethyl 4-nitrophenyl phosphorothionate	see parathion 46
<i>OO</i> -diethyl <i>O</i> -(7,8,9,10-tetrahydro-6-oxobenzo[<i>c</i>]chroman-3-yl) phosphorothioate	see coumithoate 19
diethyl 7,8,9,10-tetrahydro-6-oxobenzo[<i>c</i>]chroman-3-yl phosphorothionate	see coumithoate 19
<i>OO</i> -diethyl <i>O</i> -(7,8,9,10-tetrahydro-6-oxo-6 <i>H</i> -dibenzo[<i>b,d</i>]pyran-3-yl) phosphorothioate	see coumithoate 19
DIFO	see dimefox 26
2,4-diguanidino-3,5,6-trihydroxycyclohexyl 5-deoxy-2- <i>O</i> -(2-deoxy-2-methylamino- α -L-glucopyranosyl)-3- <i>C</i> -formyl- β -L- <i>xy</i> opentano-furanoside	see streptomycin 51
9,10-dihydro-8a,10a-diazoniaphenanthrene ion	see diquat 29
6,7-dihydrodipyrido[1,2- <i>a</i> :2',1'- <i>c</i>]pyrazidinium ion	see diquat 29
<i>S</i> -(3,4-dihydro-4-oxobenzo[<i>d</i>]-[1,2,3]-triazin-3-ylmethyl) <i>OO</i> -diethyl phosphorodithioate	see azinphos-ethyl 12

	Page
<i>S</i> -(3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl) diethyl phosphorothiolothionate	see azinphos-ethyl 12
<i>S</i> -(3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl) <i>OO</i> -dimethyl phosphorodithioate	see azinphos-methyl 12
<i>S</i> -(3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl) dimethyl phosphorothiolothionate	see azinphos-methyl 12
<i>NN'</i> -di-isopropylphosphorodiamidic fluoride	see mipafox 43
dimefox	26
dimethoate	27
dimethoxy-DT	see methoxychlor 42
di(methoxythiocarbonyl) disulphide	see dimexan 27
4-dimethylamino-1,4,4a,5,5a,6,11,12a,octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxonaphthacene-2-carboxamide	see oxytetracycline 45
1,1'-dimethyl-4,4'-bipyridylum ion	see paraquat 46
dimethyl 1-butyryloxy-2,2,2-trichloroethyl phosphonate	see butonate 15
1,1'-dimethyl-4,4'-dipyridylum ion	see paraquat 46
<i>OO</i> -dimethyl <i>S</i> -[2-(1-methylcarbamoylethyl-thio)ethyl] phosphorothioate	see vamidothion 56
dimethyl <i>S</i> -[2-(1-methylcarbamoylethyl-thio)ethyl] phosphorothioate	see vamidothion 56
<i>OO</i> -dimethyl <i>S</i> -(<i>N</i> -methylcarbamoylmethyl) phosphorodithioate	see dimethoate 27
dimethyl <i>S</i> -(<i>N</i> -methylcarbamoylmethyl) phosphorothiolothionate	see dimethoate 27
<i>OO</i> -dimethyl <i>O</i> -(3-methyl-4-methylthiophenyl) phosphorothioate	see fenthion 34
dimethyl 3-methyl-4-methylthiophenyl phosphorothionate	see fenthion 34
<i>OO</i> -dimethyl <i>O</i> -(3-methyl-4-nitrophenyl) phosphorothioate	see fenitrothion 33
dimethyl 3-methyl-4-nitrophenyl phosphorothionate	see fenitrothion 33
<i>OO</i> -dimethyl <i>S</i> -(morpholinocarbonylmethyl) phosphorodithioate	see morphothion 44
dimethyl <i>S</i> -(morpholinocarbonylmethyl) phosphorothiolothionate	see morphothion 44
<i>OO</i> -dimethyl <i>O</i> - <i>p</i> -nitrophenyl phosphorothioate	see parathion methyl 46
<i>OO</i> -dimethyl <i>O</i> -(4-nitrophenyl) phosphorothioate	see parathion-methyl 46
dimethyl 4-nitrophenyl phosphorothionate	see parathion-methyl 46
<i>NN</i> -dimethyl- <i>N'</i> -phenylurea	see fenuron 35
dimethyl phthalate	58
dimethyl 2,2,2-trichloro-1-hydroxyethyl phosphonate	see trichlorphon 55
<i>OO</i> -dimethyl <i>O</i> -(2,4,5-trichlorophenyl) phosphorothioate	see fenchlorphos 33
dimethyl 2,4,5-trichlorophenyl phosphorothionate	see fenchlorphos 33
dimethyl xanthic disulphide	see dimexan 27
dimexan	27
dimexano	see dimexan 27
dinex	27
2,4-dinitro-6- <i>s</i> -amylphenol	see dinosam 28
2,4-dinitro-6- <i>s</i> -butylphenol	see dinoseb 28
2,4-dinitro-6- <i>s</i> -butylphenyl β -methylcrotonate	see binapacryl 13
dinitrocresol	see DNOC 30
2,4-dinitro- <i>o</i> -cresol	see DNOC 30
3,5-dinitro- <i>o</i> -cresol	see DNOC 30
2,4-dinitro-6-cyclohexylphenol	see dinex 27
2,4-dinitro-6-methylphenol	see DNOC 30
2,4-dinitro-6-(2-octyl)phenyl crotonate	see dinocap 27
2,4-dinitrophenyl <i>n</i> -pentyl sulphone	see sultropen 52
dinocap	27
dinoprop	28
dinosam	28

	Page
dinoseb	28
dioxathion	28
1,4-dioxan-2,3-diyl <i>SS</i> -bis-(<i>OO</i> -diethyl phosphorodithioate)	see dioxathion 28
1,4-dioxan-2,3-diyl bis-(<i>OO</i> -diethyl phosphorothiolothionate)	see dioxathion 28
diphacinone	29
diphenadione	see diphacinone 29
2-diphenylacetylindane-1,3-dione	see diphacinone 29
diphenyl sulphone	58
diquat	29
disodium ethylenebisdithiocarbamate	see nabam 44
disul	see 2,4-DES 23, 57
disulfoton	29
dithianon	29
dithio	see sulfotep 52
dithioTEPP	see sulfotep 52
diuron	30
DMDT	see methoxychlor 42
DMTT	see dazomet 21
DMU	see diuron 30
DMXD	see dimexan 27
DNAP	see dinosam 28
DNBP	see dinoseb 28
DNC	see DNOC 30
DNOC	30
DNOCHP	see dinex 27
DNOIPP	see dinoprop 28
DNOPC	see dinocap 27
DNOSAP	see dinosam 28
DNOSBP	see dinoseb 28
DNSAP	see dinosam 28
DNSBP	see dinoseb 28
dodecylguanidine	see dodine 30
dodine	30
2,4-DP	see dichlorprop 25
endosulfan	30
endothal	31
endothion	31
3,6-endoxohexahydrophthalic acid	see endothal 31
endrin	31
3,6-epoxycyclohexane-1,2-dicarboxylic acid	see endothal 31
epoxyethane	58
erbon	57
etem	32
ethion	32
<i>S</i> - α -ethoxycarbonylbenzyl <i>OO</i> -dimethyl phosphorodithioate	see phenthoate 47
<i>S</i> - α -ethoxycarbonylbenzyl dimethyl phosphorothiolothionate	see phenthoate 47
<i>S</i> -(<i>N</i> -ethoxycarbonyl- <i>N</i> -methylcarbamoylmethyl) <i>OO</i> -diethyl phosphorodithioate	see mecarbam 41
<i>S</i> -(<i>N</i> -ethoxycarbonyl- <i>N</i> -methylcarbamoylmethyl) diethyl phosphorothiolothionate	see mecarbam 41
6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline	see ethoxyquin 32
(3-ethoxypropyl)mercury bromide	58
ethoxyquin	32
6-ethylamino-4-isopropylamino-2-methoxy-1,3,5-triazine	see atraton 11

	Page
6-ethylamino-4-isopropylamino-2-methylthio-1,3,5-triazine	see ametryne 10
1,1'-ethylene-2,2'-bipyridylum ion	see diquat 29
<i>NN'</i> -ethylenebis-(<i>N''N''</i> -dimethylthiuram disulphide)	see tecoram 53
ethylene dibromide	58
ethylene dichloride	58
ethyl 4,4'-dichlorobenzilate	see chlorobenzilate 17
ethylene oxide	see epoxyethane 58
3-(ethylmercurithio)propane-1,2-diol	see ethylmercury 2,3-hydroxypropylmercaptide 58
ethylmercury bromide	58
ethylmercury chloride	58
ethylmercury 2,3-hydroxypropylmercaptide	58
ethylmercury phosphate	58
<i>N</i> -(ethylmercury)- <i>p</i> -toluene sulphonanilide	58
ethylpyrophosphate	see TEPP 53
<i>S</i> -[2-(ethylsulphanyl)ethyl] <i>OO</i> -dimethyl phosphorothioate	see oxydemeton-methyl 45
<i>S</i> -[2-(ethylsulphanyl)ethyl] dimethyl phosphorothiolate	see oxydemeton-methyl 45
<i>S</i> -[2-(ethylthio)ethyl] <i>OO</i> -dimethyl phosphorodithioate	see thiometon 54
<i>O</i> -[2-(ethylthio)ethyl] <i>OO</i> -dimethyl phosphorothioate	see demeton-O-methyl 22
<i>S</i> -[2-(ethylthio)ethyl] <i>OO</i> -dimethyl phosphorothioate	see demeton-S-methyl 23
<i>S</i> -[2-(ethylthio)ethyl] dimethyl phosphorothiolate	see demeton-S-methyl 23
<i>S</i> -[2-(ethylthio)ethyl] dimethyl phosphorothiolothionate	see thiometon 54
2-(ethylthio)ethyl dimethyl phosphorothionate	see demeton-O-methyl 22
fenchlorphos	33
fenitrothion	33
fenoprop	33
fenson	34
fenthion	34
fentin acetate	34
fentin hydroxide	34
fenuron	35
ferbam	35
ferric dimethyldithiocarbamate	see ferbam 35
fluorbenside	35
fluoroacetamide	58
fluorobis(isopropylamino)phosphine oxide	see mipafox 43
folpet	35
formaldehyde	58
formothion	35
<i>S</i> -(<i>N</i> -formyl- <i>N</i> -methylcarbamoylmethyl) <i>OO</i> -dimethyl phosphorodithioate	see formothion 35
<i>S</i> -(<i>N</i> -formyl- <i>N</i> -methylcarbamoylmethyl) dimethyl phosphorothiolothionate	see formothion 35
fumarin	36
gamma-BHC	36
glucochloralose	see chloralose 58
glyodin	57
griseofulvin	36

	Page
HCH	see BHC 13
HEOD	37
heptachlor	37
1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene	see heptachlor 37
1,4,5,6,7,10,10-heptachloro-4,7,8,9-tetrahydro-4,7-methyleneindene	see heptachlor 37
2-heptadecyl-2-imidazoline acetate	see glyodin 57
hexachlorobenzene	58
1,2,3,4,5,6-hexachlorocyclohexane	see BHC 13
1,2,3,4,7,7-hexachloro-5,6-di(chloromethyl)-[2,2,1]-bicyclohept-2-ene	see chlorbicyclen 17
1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro- <i>endo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene	see endrin 31
1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro- <i>endo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene	see HEOD 37
1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro- <i>exo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene	see HEOD 37
1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro- <i>exo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene	see endrin 31
1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>endo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene	see isodrin 39
1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>endo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene	see HHDN 37
1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>exo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene	see HHDN 37
1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>exo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene	see isodrin 39
6, 7, 8, 9, 10, 10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzo[e]-dioxathiepin 3-oxide	see endosulfan 30
hexahydro-2,7-dithio-1,3,6-thiadiazepine	see etem 32
HHDN	37
4-hydroxy-3,5-di-iodobenzonitrile	see ioxynil 38
4-hydroxy-3,5-di-iodophenyl cyanide	see ioxynil 38
4-hydroxy-3(1,2,3,4-tetrahydro-1-naphthyl)coumarin	see coumatetrallyl 19
ioxynil	38
ipazine	38
IPC	see propham 49
IPPC	see propham 49
isobenzan	38
isocil	38
isodrin	39
4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine	see desmetryne 23
isopropyl <i>N</i> -(3-chlorophenyl) carbamate	see chlorpropham 18
2-isopropyl-3-methyl-4,6-dinitrophenol	see dinoprop 28
isopropyl <i>N</i> -phenylcarbamate	see propham 49
<i>M</i> isopropyl xanthate	see proxan 49
lindane	see gamma-BHC 36
linuron	39

	Page
malathion	39
maleic hydrazide	58
mancozeb	39
maneb	40
manganese ethylenebisdithiocarbamate	see maneb 40
mazidox	40
MCP	see MCPA 40
MCPA	40
MCPB	40
MCPP	see mecoprop 41
mecarbam	41
mecoprop	41
menazon	41
metaldehyde	58
metam sodium	see metham 42
metham	42
<i>cis</i> -2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	see mevinphos 43
methoxychlor	42
methoxy-DDT	see methoxychlor 42
methoxyethylmercury chloride	58
<i>S</i> -(5-methoxy-4-pyron-2-ylmethyl) <i>OO</i> -dimethyl phosphorothioate	see endothion 31
<i>S</i> -(5-methoxy-4-pyron-2-ylmethyl) dimethyl phosphorothiolate	see endothion 31
methyl bromide	58
2-(1-methyl-n-butyl)-4,6-dinitrophenol	see dinosam 28
2-methyl-4-chlorophenoxyacetic acid	see MCPA 40
methyl <i>cis</i>-3-(dimethoxyphosphinyloxy) crotonate	see mevinphos 43
2-methyl-4,6-dinitrophenol	see DNOC 30
<i>N</i>-methylthiocarbamic acid	see metham 42
methylene chloride	58
2-(1-methyl-n-heptyl)-4,6-dinitrophenyl crotonate	see dinocap 27
methylmercury benzoate	58
methylmercury dicyandiamide	58
methylmercury pentachlorophenoxide	58
2-(1-methyl-n-propyl)-4,6-dinitrophenol	see dinoseb 28
2-(1-methyl-n-propyl)-4,6-dinitrophenol 3-methylcrotonate	see binapacryl 13
metiram	42
mevinphos	43
mezineb	43
mipafox	43
mixed cresols	see cresylic acid 58
mixed xylenols	see xylenol 58
monochloroacetic acid	58
monolinuron	43
monuron	44
morphothion	44
nabam	44
naphthalene	58
α-naphthaleneacetic acid	58
naphthoxyacetic acids	58
1-naphthylacetic acid	see α -naphthaleneacetic acid 58
1-naphthyl <i>N</i>-methylcarbamate	58
naphthylxyacetic acids	see naphthoxyacetic acids 58
<i>N</i>-1-naphthylphthalamic acid	see naptalam 44

	Page
α -naphthylthiocarbamide	see antu 11
1-naphthylthiourea	see antu 11
α -naphthylthiourea	see antu 11
naptalam	44
neburon	45
nicotine	58
nicotine sulphate	58
nonanol	58
NP	see naptalam 44
NPA	see naptalam 44
1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene	see chlordan 17
1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran	see isobenzan 38
1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane	see chlordan 17
1,2,4,5,6,7,10,10-octachloro-4,7,8,9-tetrahydro-4,7-methyleneindane	see chlordan 17
octamethylpyrophosphoramidate	see schradan 50
OMU	see cycluron 20
ovex	see chlorfenson 17
7-oxabicyclo [2,2,1]heptane-2,3-dicarboxylic acid	see endothal 31
oxine-copper	45
oxine-Cu	45
oxydemeton-methyl	45
oxytetracycline	45
panala	see naptalam 44
paraquat	46
parathion	46
parathion-methyl	46
PCA	see pyrazon 49
PCNB	see quintozone 50
PCPBS	see fenson 34
pentachloronitrobenzene	see quintozone 50
pentachlorophenol	58
phenkapton	47
phenthoate	47
3-(α -phenyl- β -acetyloethyl)-4-hydroxycoumarin	see warfarin 56
8-phenylmercurioxyquinoline	58
phenylmercuriurea	58
phenylmercury acetate	58
phenylmercury chloride	58
phenylmercury derivative of pyrocatechol	58
phenylmercury nitrate	58
phenylmercury salicylate	58
2-phenylphenol	58
phorate	47
phosphamidon	47
pindone	48
piperonyl butoxide	58
2-pivaloylindane-1,3-dione	see pindone 48
prometon	48
prometryne	48
propazine	48
propham	49

	Page
<i>isopropyl m</i> -chlorophenylcarbamate	see chlorpropham 18
<i>isopropyl phenyl</i> carbamate	see propham 49
<i>M isopropyl xanthate</i>	see proxan 49
prothoate	49
proxan	49
pyrazon	49
pyrethrins	58
 quinoxaline-2,3-diyl trithiocarbonate	see thioquinox 54
quintozene	50
 racumin	see coumatetralyl 19
ronnel	see fenchlorphos 33
rotenone	58
 salicylanilide	58
schradan	50
SES	see 2,4-DES 23
sesin	see 2,4-DES 23
sesone	see 2,4-DES 23
silvex	see fenoprop 33
simazine	50
simeton	50
simetryne	51
streptomycin	52
strychnine	58
sulfotep	52
sultropen	52
 2,4,5-T	52
TCNB	see tecnazene 52
tecnazene	52
tecoram	53
TEPP	53
2,4,5,4'-tetrachlorodiphenyl sulphone	see tetradifon 53
tetrachloroethane	58
1,2,4,5-tetrachloro-3-nitrobenzene	see tecnazene 52
2,3,5,6-tetrachloronitrobenzene	see tecnazene 52
tetradifon	53
tetraethyl dithiopyrophosphate	see sulfotep 52
tetraethyl SS'-methylene bis-(phosphorothiolothionate)	see ethion 32
OOO'O'-tetraethyl SS'-methylene di(phosphorodithioate)	see ethion 32
tetraethyl pyrophosphate	see TEPP 53
tetrahydro-3,5-dimethyl-2<i>H</i>-1,3,5-thiadiazine-2-thione	see dazomet 21
tetrakisdimethylaminophosphonous anhydride	see schradan 50
NNN'N'-tetramethylphosphorodiamidic azide	see mazidox 40
NNN'N'-tetramethylphosphorodiamidic fluoride	see dimefox 26
tetramethylthiuram disulphide	see thiram 54
tetrasul	53
2-thio-1,3-dithiolo[4,5-<i>b</i>]quinoxaline	see thioquinox 54
thiometon	54
thionazin	54
thioquinox	54
thiotep	see sulfotep 52

	Page
thiram	54
TMT	see thiram 54
TMTD	see thiram 54
tolylmercury acetate	58
2,4,5-TP	see fenoprop 33
tri-allate	54
tricamba	55
trichlorfon	see trichlorphon 55
trichloroacetic acid	58
S-2,3,3-trichloroallyl <i>NN</i> -di-isopropylthiocarbamate	see tri-allate 54
3,5,6-trichloro- <i>o</i> -anisic acid	see tricamba 55
2,3,6-trichlorobenzoic acid	58
1,1,1-trichloro-2,2-di(4-chlorophenyl)ethane	see <i>pp'</i> -DDT 22
2,2,2-trichloro-1,1-di(4-chlorophenyl)ethanol	see dicofol 26
1,1,1-trichloro-2,2-di(4-methoxyphenyl)ethane	see methoxychlor 42
3,5,6-trichloro-2-methoxybenzoic acid	see tricamba 55
<i>N</i> -(trichloromethylthio)cyclohex-4-ene-1,2-dicarboxyimide	see captan 15
<i>N</i> -trichloromethylthio-4-cyclohexene-1,2-dicarboxyimide	see captan 15
<i>N</i> -(trichloromethylthio)phthalimide	see folpet 35
<i>N</i> -(trichloromethylthio)tetrahydrophthalimide	see captan 15
2,4,5-trichlorophenoxyacetic acid	see 2,4,5-T 52
2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate	see erbon 57
(\pm)- α -2,4,5-trichlorophenoxypropionic acid	see fenoprop 33
(\pm)-2-(2,4,5-trichlorophenoxy)propionic acid	see fenoprop 33
trichlorphon	55
tricopper dichloride dimethyldithiocarbamate	see cuproban 20
trietazine	55
3,5,5-trimethylhexan-1-ol	see nonanol 58
trimeturon	55
triphenyltin acetate	see fentin acetate 34
triphenyltin hydroxide	see fentin hydroxide 34
UCP/21	see etem 32
vamidothion	56
warfarin	56
xlenol	58
zinc ethylenebisdithiocarbamate	see zineb 56
zinc dimethyldithiocarbamate	see ziram 56
zinc phosphide	58
zinc propylenebisdithiocarbamate	see mezineb 43
zineb	56
ziram	56

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